



This is a digital copy of a book that was preserved for generations on library shelves before it was carefully scanned by Google as part of a project to make the world's books discoverable online.

It has survived long enough for the copyright to expire and the book to enter the public domain. A public domain book is one that was never subject to copyright or whose legal copyright term has expired. Whether a book is in the public domain may vary country to country. Public domain books are our gateways to the past, representing a wealth of history, culture and knowledge that's often difficult to discover.

Marks, notations and other marginalia present in the original volume will appear in this file - a reminder of this book's long journey from the publisher to a library and finally to you.

Usage guidelines

Google is proud to partner with libraries to digitize public domain materials and make them widely accessible. Public domain books belong to the public and we are merely their custodians. Nevertheless, this work is expensive, so in order to keep providing this resource, we have taken steps to prevent abuse by commercial parties, including placing technical restrictions on automated querying.

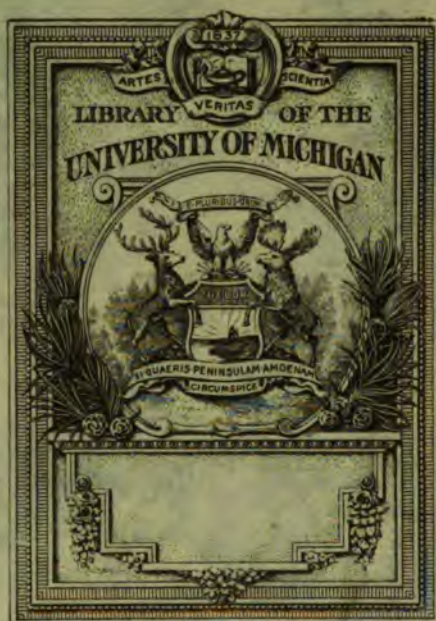
We also ask that you:

- + *Make non-commercial use of the files* We designed Google Book Search for use by individuals, and we request that you use these files for personal, non-commercial purposes.
- + *Refrain from automated querying* Do not send automated queries of any sort to Google's system: If you are conducting research on machine translation, optical character recognition or other areas where access to a large amount of text is helpful, please contact us. We encourage the use of public domain materials for these purposes and may be able to help.
- + *Maintain attribution* The Google "watermark" you see on each file is essential for informing people about this project and helping them find additional materials through Google Book Search. Please do not remove it.
- + *Keep it legal* Whatever your use, remember that you are responsible for ensuring that what you are doing is legal. Do not assume that just because we believe a book is in the public domain for users in the United States, that the work is also in the public domain for users in other countries. Whether a book is still in copyright varies from country to country, and we can't offer guidance on whether any specific use of any specific book is allowed. Please do not assume that a book's appearance in Google Book Search means it can be used in any manner anywhere in the world. Copyright infringement liability can be quite severe.

About Google Book Search

Google's mission is to organize the world's information and to make it universally accessible and useful. Google Book Search helps readers discover the world's books while helping authors and publishers reach new audiences. You can search through the full text of this book on the web at <http://books.google.com/>

B 50537 5



THE GIFT OF
Chamber of Commerce

HF
296
.C5



FIFTY-SIXTH ANNUAL REPORT
OF THE
CINCINNATI
CHAMBER OF COMMERCE
AND
MERCHANTS' EXCHANGE,
FOR THE
YEAR ENDING DECEMBER 31, 1904.



CINCINNATI:
THE OHIO VALLEY COMPANY, PRINTERS
Nos. 317 to 323 Race Street,
1905.

INDEX.

	PAGE
Annual Prices of Staple Products.....	86, 87
Appeals, Committees of.....	8
Arbitration, Committees of.....	8
Bank Clearings.....	65, 125
Banking Capital.....	65
Bark, Tanners'.....	87
Barley—Trade Review.....	45
Yearly Receipts and Shipments.....	88
Monthly Receipts and Shipments.....	94
Annual Average Prices.....	89
Crops of the United States.....	94
Beer, Ale, etc.—Trade Review.....	56
Yearly Receipts and Shipments.....	108
Yearly Production.....	126
Comparative Prices.....	126
Sales of Stamps.....	126
Annual Consumption.....	56
Board of Directors and Officers.....	7, 11 to 16
Boots and Shoes.....	62
Bran, Middlings, etc.—Trade Review.....	46
Yearly Receipts and Shipments.....	108
Annual Prices.....	86
Monthly Prices.....	96
Broom Corn.....	118
Buckwheat, Crop of the United States.....	94
Butter—Trade Review.....	52
Yearly Receipts and Shipments.....	110
Annual and Weekly Prices.....	86, 112
Butterine.....	52, 86, 112
By-laws, Chamber of Commerce.....	17
Candles—Annual Prices.....	87
Yearly Receipts and Shipments.....	108
Carriage Manufacturing.....	61
Cattle (see Live Stock).....	
Chamber of Commerce, Sketch.....	82
Cheese—Trade Review.....	52
Yearly Receipts and Shipments.....	110
Annual and Weekly Prices.....	86, 112
Cigars, Manufacturing Exhibits.....	124
Cincinnati, Some Features of.....	79
Clearing-House Returns.....	65
Monthly and Yearly Exhibits.....	125
Clothing.....	62
Clover Seed (see Seeds).....	
Coal—Trade Review.....	59
Annual Receipts.....	127
Annual Prices.....	60, 86
United States Production.....	127
Coke, Annual Prices.....	60
Coffee (see Groceries).....	
Commerce of Cincinnati, etc., Review of.....	42
Volume of Prominent Lines.....	43
Comparative Prices of Commodities.....	44
Commissions, Rates of.....	171
Committees, Chamber of Commerce—	
Appeals.....	8
Arbitration.....	8
Inspection.....	8
Quotations.....	9
Transportation.....	8
Constitution (see By-laws).....	
Cooperage—Prices of Pork Barrels.....	87

	PAGE
Cooperage—Prices of Whisky Barrels.....	87
Corn—Trade Review.....	45
Yearly Receipts and Shipments.....	88
Monthly Receipts and Shipments.....	94
Monthly Prices.....	90
Weekly and Monthly Prices.....	92
Average and Range of Prices.....	89
Crops of the United States.....	94
Cotton—Trade Review.....	57
Yearly Receipts and Shipments.....	109
Annual Prices.....	87
Monthly Range of Prices.....	119
Crops of the United States.....	119
Acreage.....	57
Cotton Warps, etc.....	117
Dry Goods.....	62
Eggs—Trade Review.....	52
Yearly Receipts and Shipments.....	110
Annual and Weekly Prices.....	86, 112
Elevator Charges.....	150
Exportable Products.....	66
Exports of Hog Product.....	99
Feathers—Trade Review.....	53
Yearly Receipts and Shipments.....	108
Annual Prices.....	87
Flaxseed—Yearly Receipts and Shipments.....	109
Annual Prices.....	86
Flour—Trade Review.....	46
Yearly Receipts and Shipments.....	109
Monthly Receipts and Shipments.....	95
Weekly Prices.....	95
Annual Prices.....	96
Stocks of.....	94
Rules Governing Trade in.....	153
Freight Rates.....	126
Fruits, Dried—Trade Review.....	51
Yearly Receipts and Shipments.....	109
Annual Prices.....	86
Fruits, Green—Trade Review.....	51
Yearly Receipts and Shipments.....	109
Annual and Weekly Prices.....	86, 113
Furniture.....	63
Gaugers.....	10
Grain—Trade Review.....	45
Yearly Receipts and Shipments.....	88
Monthly Receipts and Shipments.....	94
Annual Average and Range of Prices.....	89
Local and Total Movement.....	88
(See Barley, Corn, Oats, Rye and Wheat).	
Groceries—Trade Review.....	49
Yearly Receipts and Shipments.....	106
Annual Prices.....	86
Weekly Prices.....	114
Prices by Grades.....	115, 116
Hay—Trade Review.....	49
Yearly Receipts and Shipments.....	108
Annual and Weekly Prices.....	86, 111
Prices by Grades.....	111
Hides—Trade Review.....	54
Yearly Receipts and Shipments.....	110
Annual Prices.....	87
Highwines, Rules Regarding Sales of.....	143

	PAGE		PAGE
Hog Product (see Provisions).		Oats—Crops of the United States.....	94
Hogs (see Live Stock).		Oils, Yearly Movement.....	110
Honorary Members.....	199	Paper, Comparative Prices.....	117
Hops—Trade Review.....	56	Peanuts—Yearly Receipts and Shipments.....	108
Yearly Receipts and Shipments.....	108	Annual Prices.....	87
Annual and Monthly Prices.....	55, 87	Petroleum—Trade Review.....	54
Inspection, Committees of.....	8	Yearly Receipts and Shipments.....	110
Inspectors.....	10	Annual Prices.....	87
Internal Revenue Collections.....	66	Comparative Prices.....	117
Iron, Pig—Trade Review.....	56	Population Data.....	67
Yearly Receipts and Shipments.....	122	Population of the United States.....	140
Prices and Sales.....	120, 121, 122	Pork Packers' Association, Officers of.....	10
Iron, Manufactured—Trade Review.....	57	Pork Packing (see Provisions).	
Yearly Movement.....	124	Potatoes—Trade Review.....	51
Lard (see Provisions).		Yearly Receipts and Shipments.....	109
Lard Oil—Trade Review.....	54	Annual and Weekly Prices.....	86, 113
Annual Prices.....	87	Crops of the United States.....	113
Lead, Annual Prices.....	87	Property Valuation and Taxation.....	128
Leather—Trade Review.....	54	Provisions—Trade Review.....	48
Yearly Receipts and Shipments.....	110	Movement of Hog Product.....	97, 100
Annual Prices.....	87	Yearly Prices of Meas Pork.....	101
Lighthouse Service.....	77	Weekly Prices of Meas Pork.....	98
Linseed Oil—Trade Review.....	54	Yearly Prices of Lard.....	101
Annual Prices.....	87	Weekly Prices of Lard.....	98
Live Stock—Trade Review.....	47	Yearly Prices of D. S. Meats.....	101
Average Weights.....	106	Weekly Prices of D. S. Meats.....	99
Stockyards Exhibits.....	106	Yearly Prices of Bacon.....	101
Hogs, Weekly Movement.....	100	Weekly Prices of Bacon.....	99
Hogs, Monthly Movement.....	104	Weekly Prices of Hams.....	98
Hogs, Yearly Movement.....	104, 105	Sundry Comparisons of Prices.....	48
Hogs, Daily, Weekly and Annual Prices.....	87, 102	Annual Exports of Hog Product.....	99
Hogs, Winter Season Prices.....	101	Pork Packing at Cincinnati.....	106, 107
Hogs, Annual Prices.....	87	Pork Packing in the West.....	107
Hogs, Monthly Top and Average Prices.....	47	Railroad Interests.....	68
Cattle, Yearly Movement.....	104, 105	Rainfall at Cincinnati, Monthly and Yearly.....	68, 136
Cattle, Monthly Movement.....	105	Rainfall in the Ohio Valley.....	130
Cattle, Prices by Grades.....	102	Receipts of Commodities at Cincinnati.....	84
Cattle, Weekly Prices.....	103	Rice (see Groceries).	
Cattle, Annual Prices.....	87	River Traffic, General Review.....	69
Sheep, Yearly Movement.....	104, 105	River Commerce, Details.....	131
Sheep, Monthly Movement.....	105	River Steamers, Arrivals and Departures.....	129
Sheep, Prices by Grades.....	102	Register of, Tonnage of, Destroyed, etc.....	128
Sheep, Weekly Prices.....	103	River, Stages of.....	78, 130, 132, 133
Sheep, Annual Prices.....	87	Rules and Regulations Governing Trade, etc.....	143
Exports from the United States.....	103	Highwines, Sales of.....	143
Lumber—Trade Review.....	58	Grain Trade.....	143
Comparative Prices.....	118	Hay Trade.....	151
Annual Receipts.....	118	Flour Trade.....	152
Malt.....	93, 108	Hogs, Governing Sales of.....	154
Manufactures of Cincinnati.....	134	Provision Trade.....	155
Manufacturing Industry Comparisons.....	64	Manufacture of Hog Product.....	159
Statistical Exhibits.....	134	Hop Trade.....	163
Marine Works.....	72	Sales Book Entries.....	163
Membership List.....	176 to 198	Butter Trade.....	165
Classified List.....	201 to 216	Cheese Trade.....	165
Memorial Reports.....	217	Egg Trade.....	166
Memoriam.....	200	Fruit Trade.....	168
Meteorological Report.....	137	Vegetable Trade.....	168
Mill Feed (See Bran, etc.)		Inspectors, Weighers, Measurers, Gaugers.....	158
Molasses (see Groceries).		Exchange, Daily Sessions, etc.....	141
Nails, Annual Prices.....	87	Rye—Trade Review.....	45
National Board of Trade.....	10, 67	Yearly Receipts and Shipments.....	88
Oats—Trade Review.....	45	Monthly Receipts and Shipments.....	94
Yearly Receipts and Shipments.....	88	Monthly Prices.....	90
Monthly Receipts and Shipments.....	94	Weekly Prices.....	91
Monthly Prices.....	90	Average and Range of Prices.....	89
Weekly Prices.....	93	Crops of the United States.....	94
Average and Range of Prices.....	89	Sales, Rules for Entry of, on Sales Book.....	143, 163

	PAGE
Salt—Trade Review.....	55
Yearly Receipts and Shipments.....	108
Annual Prices.....	87
Secretary, Report of.....	36
Seeds—Trade Review.....	50
Yearly Receipts and Shipments.....	109
Annual and Weekly Prices.....	86, 111
Sheep (see Live Stock).	
Shipments of Commodities at Cincinnati.....	85
Soap—Trade Review.....	58
Prices by Grades.....	117
Yearly Receipts and Shipments.....	108
Spirits (see Whisky).	
Starch—Yearly Receipts and Shipments.....	108
Steamboats (see River Steamers).	
Stockyards Statistics.....	106
Storage, Rates of.....	169
Sugar (see Groceries).	
Superintendent, Report of.....	41, 42
Tallow—Trade Review.....	58
Yearly Receipts and Shipments.....	110
Annual Prices.....	87
Tares.....	172
Taxation and Valuation of Property.....	128
Temperature Records.....	115
Timothy Seed (see Seed).	
Tobacco—Trade Review.....	60
Yearly Receipts and Shipments.....	124
Offerings, Rejections and Sales.....	125

	PAGE
Tobacco—Annual Prices.....	87
Annual Stocks.....	125
Manufacturing Exhibits.....	124
Treasurer, Report of.....	34
Turpentine.....	87
Vehicle Manufacturing.....	61
Weather Bureau Service.....	67
Weather Summary and Details.....	137
Weighers.....	10
Weights.....	173
Wheat—Trade Review.....	45
Yearly Receipts and Shipments.....	88
Monthly Receipts and Shipments.....	94
Monthly Prices.....	89
Weekly Prices.....	91
Average and Range of Prices, etc.....	89
Months of Lowest and Highest Prices.....	91
Crops of the United States.....	94
World's Production.....	45
Whisky—Trade Review.....	55
Yearly Receipts and Shipments.....	122
Monthly Receipts and Shipments.....	122
Yearly Production, Cincinnati District.....	123
Production and Receipts.....	123
Annual Prices.....	123
Changes in Prices.....	123
Annual Revenue from Spirits.....	66
Wool—Trade Review.....	58
Yearly Receipts and Shipments.....	110
Annual Prices.....	87

INDEX TO BY-LAWS, RULES, ETC.

BY-LAWS.

	PAGE		PAGE
Amendments to By-Laws, How Made	32	Inspection, Committees on—Appointment of ...	25
Appeals, Committee of—Appointment of	22	Arbitration, Powers of	25
Award of, Final	24	Powers and Duties of	25
Appropriations, Prohibited	32	Inspectors—Appointment of, etc.	24
Arbitration, Committee of—Appointment of	22	Accountability of	24
Appeals From Awards of, How Made	23	Meetings of the Association	27
Appeals to, from Grain Committee	25	Membership, Qualifications for	17
Rules for Cases Before	29, 30	Messengers	31
Special	24	Misconduct in Business Matters	21
Assessments	27	Inquiry into Changes of	23
Attorneys at Law, not to Serve at Trials	30	Penalties for	21
Board of Directors—Election of	18	National Board of Trade, Delegates to	31
Duties and Powers of	19, 20	Nominating Committee	19
Regular Meetings of	20	Nominations for Officers, When and How Made .	19
Bonds of Appointees	21	Non-members, Privileges of	24
Certificates of Membership—Issue of	26	Offenses Committed, Investigation of	21
Loss of	27	Reporters of the Daily Press, Admission of	32
Transfer of	26	Reports of Board of Directors	21
Charges Against Appointees	25	Special Arbitration Committees	24
Clerks, Messengers, etc.	31	Standards of Inspection	25
Delinquent Members, Privileges Restricted	27	Superintendent—Duties of	22, 26
Elections	18	When and How Elected	26
Government of the Association	18	Trials, Rules Governing	23, 29, 30
Honorary Members	17	Visitors, Admission of	32
		Witnesses Punishable for Contempt	22

RULES AND REGULATIONS.

	PAGE		PAGE
Advertisements Forbidden, Rule 9	142	Hogs, Rules Governing Sales of	154
Appeals from Inspection Decisions	144	Hop Trade Rules	163
Auction Sales on 'Change, Rule 5	141	Inspection of Grain	145
Barley Grades	147	Inspector of Grain	144
Business Announcements	142	Jumbo Transfer Weighing	152
Butter—Trade Rules	166	Lumber Trade Rules (see Report for 1902).	
Car Load Quantities	149	Memorial Reports, Rule 8	142
Certificates of Weight	152	Non-members, Cases of—Rule 2, Sec. 2	143
Charges for Commissions	171	Notices, Service of	150
Charges for Curing Hog Product	171	Oats, Grades	146
Charges for Packing Hog Product	171	Payment for Track Grain	148
Charges for Receiving and Forwarding	172	Produce Call Board (see Report for 1903).	
Charges for Storage	169	Provision Trade Rules	155
Charges on Cotton	172	Real Estate Announcements, Rule B	142
Cheese Trade Rules	165	Request for Grain Inspection	145
Classification of Grain	145	Restriction of Association Courtesies—Rule 15 ..	142
Coat Wearing Regulations, Rule 13	142	Rules Governing Exchange Sessions	141
Complimentary Admissions, Rule 4	141	Rye—Grades	147
Cooperation—Trade Rules (see Report for 1903).		Sales of Highwines	143
Corn—Grades	146	Sales, Rules for Entries of	163
Deliveries of Grain	147	Sales by Sample	149
Disputes Before Grain Committee	150	Sample Desks, Rule 10	142
Distillers' Finished Goods	143	Soliciting of Money, Rule 6	142
Egg Trade Rules	166	Special Admission Privileges, Rule A	142
Elevator Charges	150	Superintendent, Duties Devolving Upon	163, 164, 167
Elevator Receipts	147	Tares	172
Elevator Reports	150	Terms of Sale	149
Exchange Hours	143	Throwing of Articles Forbidden, Rule 12	142
Flour Inspection Rules	153	Trials Before Grain Committee	144
Flour Trade Rules	153	Vegetable Trade Rules	168
Fruit Trade Rules	168	Visitors' Privileges, Rule 3	141
Grain Inspection Committee Rules	143	Weighers, Rules Governing	152
Grain Trade Rules	143	Weighing	152
Hay Inspection Fees	152	Weights, Standard	173
Hay Trade Rules	151	Wheat Grades	145
Hog Product Rules	159		

CINCINNATI CHAMBER OF COMMERCE.

OFFICERS FOR 1905.

President:

H. LEE EARLY.

First Vice-President:

L. L. SADLER.

Second Vice-President:

ROBERT W. WISE.

Directors:

FOR ONE YEAR.

WALTER A. DRAPER,
GEORGE KOEHLER,
A. G. NORMAN,
ROBERT P. GILLHAM,
FRANK F. COLLINS.

FOR TWO YEARS.

B. W. GALE,
EDWARD R. BUHRMAN,
HARRY H. HILL,
J. M. SEARS,
JOHN HOFFMANN.

Treasurer:

O. G. FETTER.

Secretary:

J. B. CLANCEY.

Superintendent and Executive Secretary:

CHARLES B. MURRAY.

OFFICERS FOR 1904.

President:

SAMUEL BAILEY, JR.

First Vice-President:

J. B. WALLACE.

Second Vice-President:

B. W. CAMPBELL.

Directors:

FOR ONE YEAR.

L. V. FINKLE,
J. GEORGE JUNG,
WILL L. FINCH,
J. V. MAESCHER,
SIMON GREENEBAUM.

FOR TWO YEARS.

WALTER A. DRAPER,
GEORGE KOEHLER,
A. G. NORMAN,
ROBERT P. GILLHAM,
FRANK F. COLLINS.

Treasurer:

W. W. ALEXANDER.

Secretary:

JOSEPH D. MORTEN.

Superintendent and Executive Secretary:

CHARLES B. MURRAY.

INSPECTION COMMITTEES FOR 1905.

<i>On Grain</i>	B. W. WASSON, CHAIRMAN; GEORGE F. MUNSON, W. W. GRANGER, FRANK R. MAGUIRE, WM. H. KRAMER.
<i>On Flour</i>	MICHAEL KNAUL, CHAIRMAN; JOHN B. HEID, ALBERT ROEDER, HENRY W. BROWN, ANDREW NORDMEYER.
<i>On Provisions</i>	A. SANDER, CHAIRMAN; FREDERICK SCHROTH, GEORGE ZEHLE, CHARLES ROCKEL, HERMAN LOEWENSTEIN.
<i>On Whisky</i>	SOL W. LEVI, CHAIRMAN; JOSEPH DEBAR, EDWARD H. BRINKMANN, SIGMUND RHEINSTROM, WILLIAM C. SANDERS.
<i>On Hay</i>	J. W. ELLIS, CHAIRMAN; S. R. VOORHEES, CHARLES E. VAN LEUNEN, JOHN DE MOLET, JR., ALFRED GOWLING.
<i>On Coal</i>	H. C. WHETSTONE, CHAIRMAN; M. E. LYNN, FRED. HARTWEG, W. C. ROGERS, WILLIAM MARMET.
<i>On Cloth</i>	THOMAS W. ALLEN, CHAIRMAN; WM. H. ALMS, WM. A. HOPPLE, LOUIS WYLER, JACOB MENDERSON.
<i>On Lumber</i>	W. A. BENNETT, CHAIRMAN; T. J. MOFFETT, H. P. WIBORG, THOMAS B. STONE, H. W. MEIER, JR.
<i>On Public Weighing</i>	H. EDWARD RICHTER, CHAIRMAN; WM. R. McQUILLAN, WM. G. STUEVE, JOHN V. METZGER, JOHN E. COLLINS.
<i>On Produce</i>	A. G. NORMAN, CHAIRMAN; ALLEN W. LETT, WILLIAM P. MAPPE, SAMUEL A. EBERLE, LOUIS ROMER.

COMMITTEE OF ARBITRATION—1905.

J. P. BAUER,	W. H. FORWOOD,	JOSEPH L. ROTH,
GEORGE P. BILES,	JOSEPH HEUERMANN,	HENRY M. RUBEL,
ARTHUR O. EVANS,	E. W. MURPHEY,	CHARLES W. SCHMIDT,
JAMES W. ELLIS,	C. GORDON NEFF,	HENRY WOLTER,
P. R. FORTNEY,	ANDREW ROHAN,	LOUIS WYLER.

COMMITTEE OF APPEALS—1905.

ABE BLOCH,	GEORGE KELLER,	E. E. SHIPLEY,
WILLIAM L. BROWN,	H. B. McCULLOUGH,	WILLIAM G. STUEVE,
JOHN C. DAVIS,	ARMIN H. SANDER,	CHARLES W. TOMLINSON,
GEORGE HERZOG,	BERNARD SCHAPKER,	HENRY VOGEL,
CHAPMAN R. HINSCH,	FREDERICK A. SCHMIDT,	C. P. WAGNER.

COMMITTEE ON TRANSPORTATION—1905.

JAMES T. McHUGH, CHAIRMAN.			
E. E. WILLIAMSON,	B. W. CAMPBELL,	JOHN H. ALLEN,	ROBERT H. WEST.

COMMITTEES ON QUOTATIONS FOR RECORD OF PRICES CURRENT.
1905.

<i>Butter and Butterine</i>	A. W. LETT, HENRY VOGEL, ANDREW ROHAN, DAVID S. DREIFUS, C. H. HESS.
<i>Candles</i>	WM. COOPER PROCTER, CASIMER WERK.
<i>Cattle, Hogs and Sheep</i>	J. F. EVERSMAN, THOMAS BLONG, GEORGE SLIMER.
<i>Cheese</i>	JOHN C. MULVIHILL, ANDREW ROHAN.
<i>Chemicals</i>	FRANK C. GROTE, W. F. LEONARD.
<i>Coal and Coke</i>	CHAPMAN R. HINSCH, E. GALATTI, W. C. ROGERS, GOTTLIEB HARTWEG, R. S. MAGEE, M. E. LYNN, W. B. CRAIL.
<i>Cooperage & Coopers' Stuff</i>	N. J. HOBAN, J. G. BAUER, RANDALL J. WYMOND, WILLIAM A. VAN HART, STEPHAN HAUSER, JR.
<i>Eggs</i>	DAVID S. DREIFUS, A. G. NORMAN, HENRY VOGEL, A. W. LETT, SAMUEL A. EBERLE.
<i>Flour</i>	B. W. GALE, F. W. FOULDS, JOHN B. HEID, ADAM SMYRL, GEORGE C. SCHNEIDER, GEORGE F. MUNSON, ANTHONY SCHMITT, THEOBALD FELSS.
<i>Freight, Railroad</i>	J. B. CLANCEY, R. B. BOWMAN, C. W. TOMLINSON, E. C. ARNOLD, W. O. PAXTON, N. R. JOHNSON, L. V. FINKLE.
<i>Freight, River</i>	R. W. WISE, E. R. MAUCK, FRED. HARTWEG, OSCAR F. BARRETT.
<i>Fruits, Dried</i>	W. W. BLAIR, R. A. HOLDEN, LOUIS ROMER.
<i>Fruits, Green</i>	JOHN LEVERONE, ABRAHAM BLOOM, FRED. KUSHMAN, FEDELE DELSIGNORE, H. J. FINKE.
<i>Grain, Wheat</i>	HENRY W. BROWN, B. W. WASSON, H. EDW. RICHTER, J. A. LOUDON, F. W. FOULDS, A. NORDMEYER.
<i>Grain, Corn</i>	A. C. GALE, JOHN DE MOLET, JR., HENRY W. BROWN, H. LEE EARLY, H. H. HILL, GEORGE KELLER.
<i>Grain, Oats</i>	F. F. COLLINS, C. E. KNAUL, P. M. GALE, S. R. VOORHEES, A. BENDER.
<i>Grain, Rye</i>	W. W. GRANGER, GEO. C. SCHNEIDER, HENRY W. BROWN, H. H. HILL, THEOBALD FELSS.
<i>Grain, Barley</i>	C. E. KNAUL, MAX BLUMENTHAL, LOUIS HEHMAN.
<i>Groceries</i>	JOHN A. KREIS, CHARLES E. WILSON, JAMES R. MINOR, IVAN C. WALTER, J. C. KERR, R. A. HOLDEN.
<i>Hay</i>	J. W. ELLIS, S. R. VOORHEES, F. F. COLLINS, JOHN DE MOLET, JR., H. H. HILL, FRANK VEITH, GEORGE A. ROOT, WM. H. KRAMER.
<i>Hides</i>	LUDWIG WISE.
<i>Iron</i>	D. B. MEACHAM, W. J. ISAACSON, W. F. ROBERTSON, EMIL POLLAK.
<i>Lumber</i>	H. P. WIBORG, L. G. BANNING, HENRY BEHRENS, T. J. MOFFETT.
<i>Mill Feed</i>	H. EDWARD RICHTER, S. R. VOORHEES, GEORGE KELLER, CHAS. E. KNAUL, GEORGE F. MUNSON, AUGUST FERGER.
<i>Oils, Lard</i>	RUFUS BURCKHARDT, CHARLES H. MOORE.
<i>Oils, Cottonseed</i>	WALTER H. FIELD, JOHN E. STONE, J. M. MACDONALD.
<i>Oils, Linseed</i>	C. P. WAGNER, CHARLES E. GINN, W. F. GUTHRIE.
<i>Peanuts</i>	JACOB WELLER, W. W. BLAIR, BERNARD SCHAPKER.
<i>Petroleum</i>	CHAS. H. MOORE, RUFUS BURCKHARDT, W. F. GUTHRIE.
<i>Potatoes</i>	I. JAMES CANNON, A. G. NORMAN, ABRAHAM BLOOM, HENRY WOLTER.
<i>Provisions</i>	M. D. THOMPSON, HARRY E. MEYER, CHARLES ROCKEL, HERMAN LOEWENSTEIN, JOHN WOESTEN, E. S. GRANT, FREDERICK SCHROTH, A. SANDER, CHARLES E. ROTH.
<i>Salt</i>	JOHN DUNHOLTER.
<i>Seeds</i>	J. CHAS. McCULLOUGH, H. B. McCULLOUGH, H. B. PATTERSON.
<i>Sorghum</i>	N. LONGFELLOW, H. B. PATTERSON, IVAN C. WALTER, JOHN A. KRIES.
<i>Tallow and Grease</i>	RUFUS A. COWING, JOHN E. STONE, W. H. WASHINGTON, LUDWIG WISE.
<i>Tobacco</i>	JOHN L. HITE, W. H. LEWIS.
<i>Whisky</i>	W. N. HOBART, J. T. MCHUGH, CASPER H. ROWE, WM. C. WOLKING, MAX HIRSCH, MORRIS F. WESTHEIMER, GEORGE F. DIETERLE.
<i>Wool</i>	LUDWIG WISE, SIMON GREENEBAUM.

DELEGATES TO THE NATIONAL BOARD OF TRADE.

1905.

JAMES T. McHUGH, GEORGE F. DIETERLE,
WILL L. FINCH, CHARLES B. MURRAY,
ROBERT W. WISE.

1904

JAMES T. McHUGH, JOHN H. ALLEN,
J. MILTON BLAIR, CHARLES B. MURRAY.

* INSPECTORS—1905.

Grain, Hay and Mill Feed:
HOMER CHISMAN.

Flour:
MONROE IZOR.

Provisions:
JOHN C. MORRISON.

* PUBLIC WEIGHERS—1905.

JOHN S. FURLONG,
R. E. SECRIST,
HENRY WEBER,

D. E. LAFFERTY,
JAMES M. ARNOLD,
J. D. LINDSAY,

A. L. ROBINETT,
JOHN ROACH,
J. H. DILLMAN,

CHARLES E. FISH,
SAMUEL C. CHAPMAN.

* COAL GAUGERS.—1905.

WINFIELD S. CARR,

HARRY BIGDON.

PORK PACKERS' AND PROVISION DEALERS' ASSOCIATION

OF CINCINNATI.

OFFICERS FOR 1905.

President:

HERMAN LOEWENSTEIN.

Vice-Presidents:

FREDERICK SCHROTH,

CLARENCE B. MEYER,

JACOB VOGEL, JR.

Treasurer:

JOHN HOFFMANN.

Secretary:

CHARLES B. MURRAY.

* By action of the Board of Directors, October 13, 1896, Inspectors, Public Weighers, Measurers and Gaugers, by appointment of the Chamber of Commerce, are not allowed to inspect, weigh, measure or gauge any commodity in which they are directly or indirectly interested.

OFFICERS OF THE CHAMBER OF COMMERCE

FROM ITS ORGANIZATION.

Officers from October, 1839, to January, 1840.

President—Griffin Taylor.
Vice-Presidents—R. G. Mitchell, Peter Neff, S. B. Findley, John Reeves, Thos. J. Adams, Jacob Strader.
Treasurer—B. W. Hewson.
Secretary—Henry Rockey.

Officers for 1840.

President—Griffin Taylor.
Vice-Presidents—R. G. Mitchell, John Reeves, Peter Neff, Thomas J. Adams, S. B. Findley, Samuel Trevor.
Treasurer—B. W. Hewson.
Secretary—Henry Rockey.

Officers for 1841.

President—Lewis Whiteman.
Vice-Presidents—Thomas J. Adams, S. B. Findley, Peter Neff, Samuel Trevor, R. G. Mitchell, S. O. Butler.
Treasurer—B. W. Hewson.
Secretary—Henry Rockey.

Officers for 1842.

President—Roland G. Mitchell.
Vice-Presidents—S. O. Butler, James Pullan, L. Worthington, Thomas J. Adams, Samuel Trevor, John Reeves.
Treasurer—B. W. Hewson.
Secretary—Henry Rockey.

Officers for 1843.

President—Thomas J. Adams.
Vice-Presidents—A. M. Taylor, R. W. Lee, Samuel Fordick, James Pullan, R. B. Bowler, Nathan Sampson.
Treasurer—S. C. Parkhurst.
Secretary—Henry Rockey.

Officers for 1844.

President—Thomas J. Adams.
Vice-Presidents—M. R. Taylor, R. W. Lee, Calvin Fletcher, W. B. Alford, Jas. C. Hall, Nathan Sampson.
Treasurer—S. C. Parkhurst.
Secretary—Henry Rockey.

Officers for 1845.

President—James C. Hall.
Vice-Presidents—Benjamin Urner, Geo. H. Bates, George H. Hartwell, J. P. Tweed, R. W. Lee, Lewis Einstein.
Treasurer—William Manser.
Secretary—Henry Rockey.

Officers for 1846-47.

President—James C. Hall.
Vice-Presidents—R. W. Lee, Benjamin Urner, N. W. Thomas, Charles Hartshorne, L. Worthington, L. B. Harrison.
Treasurer—George Milne.
Secretary—William D. Gallagher.
Superintendent—A. Peabody.

Officers for 1847-48.

President—James C. Hall.
Vice-Presidents—N. W. Thomas, Charles Hartshorne, Benjamin Urner, Lewis Whiteman, Joseph Torrence, S. C. Parkhurst.
Treasurer—George Milne.
Secretary—Channing Richards.
Superintendent—A. Peabody.

Officers for 1848-49.

President—N. W. Thomas.
Vice-Presidents—Joseph Torrence, Henry Emerson, R. M. W. Taylor, Robert Brown, Charles Hartshorne, D. M. Foster.
Treasurer—George Milne.
Secretary—Channing Richards.
Superintendent—A. Peabody.

Officers for 1849-50.

President—N. W. Thomas.
Vice-Presidents—D. M. Foster, Henry Emerson, W. B. Cassilly, Joseph Torrence, S. P. Hall, George Keck.
Treasurer—George Milne.
Secretary—Richard Smith.
Superintendent—Richard Smith.

Officers for 1850-51.

President—N. W. Thomas.
Vice-Presidents—Henry Emerson, William Hooper, Briggs Swift, W. B. Cassilly, M. B. Ross, Jos. Torrence.
Treasurer—George Milne.
Secretary—Richard Smith.
Superintendent—Richard Smith.

Officers for 1851-52.

President—N. W. Thomas.
Vice-Presidents—Henry Emerson, W. W. Scarborough, John Swasey, George Keck, William Hooper, C. W. West.
Treasurer—George Milne.
Secretary—Richard Smith.
Superintendent—Richard Smith.

Officers for 1852-53.

President—N. W. Thomas.
Vice-Presidents—George Keck, R. W. Keys, S. P. Hibberd, Edmund Dexter, C. W. West, Henry Emerson.
Treasurer—George Milne.
Secretary—Richard Smith.
Superintendent—Richard Smith.

Officers for 1853-54.

President—N. W. Thomas.
Vice-Presidents—Edmund Dexter, L. B. Harrison, C. W. West, S. Davis, Jr., Robert Andrews, S. P. Hibberd.
Treasurer—George Milne.
Secretary—Richard Smith.
Superintendent—Richard Smith.

Officers for 1854-55.

President—R. M. W. Taylor.
Vice-Presidents—George Shillito, Briggs Swift, R. W. Keys, Charles Davis, Robert Hosea, A. D. E. Tweed.
Treasurer—George Milne.
Secretary—Richard Smith.
Superintendent—William Smith.

Officers for 1855-56.

President—James F. Torrence.
Vice-Presidents—Charles Davis, James McKeehan, John Swasey, Robert Hosea, A. D. E. Tweed, Lowell Fletcher.
Treasurer—Robert Brown.
Secretary—Richard Smith.
Superintendent—William Smith.

Officers for 1856-57.

President—Joseph Torrence.
Vice-Presidents—P. Andrew, J. D. Lehmer, A. D. E. Tweed, S. Davis, Jr., Isaac A. Ogborn, William Glenn.
Treasurer—Robert Brown.
Secretary—Richard Smith.
Superintendent—William Smith.

Officers for 1857-58.

President—Joseph Torrence.
Vice-Presidents—William Glenn, Seth Evans, George F. Davis, P. Andrew, James A. Frazer, Isaac A. Ogborn.
Treasurer—Robert Brown.
Secretary—Richard Smith.
Superintendent—William Smith.

Officers for 1858-59.

President—Joseph Torrence.
Vice-Presidents—George F. Davis, Seth Evans, P. Andrew, Isaac A. Ogborn, W. C. Neff, William Shaffer.
Treasurer—Robert Brown.
Secretary—Richard Smith.
Superintendent—William Smith.

Officers for 1859-60.

President—Joseph Torrence.
Vice-Presidents—John A. Dugan, Benjamin Eggleston, Morris Orum, Isaac A. Ogborn, Thomas H. Foulds, Sam. J. Hale.
Treasurer—Robert Brown.
Secretary—Richard Smith.
Superintendent—William Smith.

Officers for 1860-61.

President—J. W. Sibley.
Vice-Presidents—John Dubois, R. A. Jones, Thos. Ong, Morris Orum, John A. Dugan, Sam. J. Hale.
Treasurer—Robert Brown.
Secretary—John A. Gano.
Superintendent—William Smith.

Officers for 1861-62.

President—Joseph C. Butler.
Vice-Presidents—B. P. Baker, Isaac A. Ogborn, N. Goldsmith, J. D. Minor, Lewis Fagin, S. W. Smith.
Treasurer—George Keck.
Secretary—John A. Gano.
Superintendent—William Smith.

Officers for 1862-63.

President—George F. Davis.
Vice-Presidents—William Henry Davis, N. Goldsmith, Isaac A. Ogborn, A. E. Armstrong, Thomas H. Foulds, James M. Glenn.
Treasurer—George Keck.
Secretary—John A. Gano.
Superintendent—William Smith.

Officers for 1863-64.

President—George F. Davis.
Vice-Presidents—Isaac A. Ogborn, E. P. Coe, N. Goldsmith, Thomas H. Foulds, W. D. Chipman, James M. Glenn.
Treasurer—George Keck.
Secretary—John A. Gano.
Superintendent—William Smith.

Officers for 1864-65.

President—George F. Davis.
Vice-Presidents—Isaac A. Ogborn, S. W. Smith, Thos. H. Foulds, Seth Evans, S. C. Newton, Wm. H. Woods.
Treasurer—George Keck.
Secretary—John A. Gano.
Superintendent—William Smith.

Officers for 1865-66.

President—Theodore Cook.
Vice-Presidents—S. C. Newton, William H. Gilpin, C. Taylor Jones, Andrew Erkenbrecher, Sam. J. Hale, Thomas H. Foulds.
Treasurer—William Shaffer.
Secretary—John A. Gano.
Superintendent—William Smith.

Officers for 1866-67.

President—S. C. Newton.
Vice-Presidents—E. W. Cunningham, M. W. Stone, Oliver Perin, Wm. H. Davis, Wm. H. Gilpin, S. J. Hale.
Treasurer—William Shaffer.
Secretary—John A. Gano.
Superintendent—William Smith.

Officers for 1867-68.

President—John A. Gano.
Vice-Presidents—Oliver Perin, M. W. Stone, John D. Minor, H. Morris Johnston, William Henry Davis, Florence Marmet.
Treasurer—William Shaffer.
Secretary—George McLaughlin.
Superintendent—William Smith.

Officers for 1868-69.

President—John A. Gano.
Vice-Presidents—William Henry Davis, H. Morris Johnston, Florence Marmet, J. H. French, S. F. Covington, Abner L. Frazer.
Treasurer—William Shaffer.
Secretary—George McLaughlin.
Superintendent—William Smith.

Officers for 1869-70.

President—John A. Gano.
Vice-Presidents—S. F. Covington, Abner L. Frazer, W. J. Lippincott, B. W. Wasson, H. Wilson Brown, William Henry Davis.
Treasurer—Jason Evans.
Secretary—J. M. W. Neff.
Superintendent—William Smith.

Officers for 1870-71.

President—Charles W. Rowland.
Vice-Presidents—John Morrison, H. Wilson Brown,
 S. F. Covington, L. T. Barr, B. W. Wasson, John
 S. Sloan.
Treasurer—Jason Evans.
Secretary—D. L. Garrison.
Superintendent—William Smith.

Officers for 1871-72.

President—Charles W. Rowland.
Vice-Presidents—James M. Glenn, John Kyle, John
 Morrison, L. J. Workum, J. R. Reed, Howard Eckert.
Treasurer—William Shaffer.
Secretary—N. S. Jones.
Superintendent—Sidney D. Maxwell.

Officers for 1872-73.

President—S. F. Covington.
Vice-Presidents—M. W. Stone, J. C. Crane, Seth
 Evans, W. D. Chipman, J. M. Wallingford, Samuel
 V. Reid.
Treasurer—William Shaffer.
Secretary—William T. Tibbitts.
Superintendent—Sidney D. Maxwell.

Officers for 1873-74.

President—S. F. Covington.
Vice-Presidents—C. M. Holloway, George F. Ire-
 land, Samuel V. Reid, Alfred C. Thomas, George
 B. Weldler, John H. Porter.
Treasurer—William Shaffer.
Secretary—William T. Tibbitts.
Superintendent—Sidney D. Maxwell.

Officers for 1874-75.

President—C. M. Holloway.
Vice-Presidents—Edmund Dexter, George B. Weld-
 ler, James S. Wise, Alfred C. Thomas, Peter A.
 White, L. C. Weir.
Treasurer—Warren Rawson.
Secretary—Charles B. Murray.
Superintendent—Sidney D. Maxwell.

Officers for 1875-76.

President—C. M. Holloway.
Vice-Presidents—Edmund Dexter, William Harvey,
 Thomas G. Smith, George F. Ireland, Peter A.
 White, Henry J. Page.
Treasurer—Briggs Swift.
Secretary—Brent Arnold.
Superintendent—Sidney D. Maxwell.

Officers for 1876-77.

President—Benjamin Eggleston.
Vice-Presidents—William J. Armel, James Gordon,
 Joseph R. Megrue, John W. Hartwell, Henry J. Page,
 William H. Gilpin.
Treasurer—Briggs Swift.
Secretary—Brent Arnold.
Superintendent—Sidney D. Maxwell.

Officers for 1877-78.

President—John W. Hartwell.
Vice-Presidents—George I. King, Frederick A. Laid-
 ley, Joseph R. Megrue, Thomas Morrison, James D.
 Parker, Lewis L. Sadler.

Officers for 1877-78—Cont'd.

Treasurer—Florence Marmet.
Secretary—Enoch Taylor.
Superintendent—Sidney D. Maxwell.

Officers for 1878-79.

President—William N. Hobart.
Vice-Presidents—Briggs S. Cunningham, James S.
 Wise, William Means, Thomas Morrison, Charles N.
 Fox, John W. Christy.
Treasurer—Florence Marmet.
Secretary—John H. Long.
Superintendent—Sidney D. Maxwell.

Officers for 1879-80.

President—H. Wilson Brown.
Vice-Presidents—Briggs S. Cunningham, Herman
 Goepper, William H. Gilpin, Mathew Ryan, Wm.
 A. Procter, William W. Taylor.
Treasurer—James Espy.
Secretary—John H. Long.
Superintendent—Sidney D. Maxwell.

Officers for 1880-81.

President—Henry C. Urner.
Vice-Presidents—John H. Long, Herman Goepper,
 William Harvey, Paul F. Mohr, Samuel McKeehan,
 William W. Taylor.
Treasurer—John Kyle.
Secretary—James H. Foote.
Superintendent—Sidney D. Maxwell.

Officers for 1881-82.

President—Henry C. Urner.
Vice-Presidents—William Harvey, Samuel Mc-
 Keehan, Lewis O. Maddux, Daniel Stone, Thomas
 L. Macdonald, Morgan H. Fagin.
Treasurer—John Kyle.
Secretary—John H. Long.
Superintendent—Sidney D. Maxwell.

Officers for 1882-83.

President—James D. Parker.
Vice-Presidents—W. W. Peabody, Michael Ryan,
 Frank Kinsey, Richard H. Coet, Nicholas Curtis,
 J. N. Wooliscroft.
Treasurer—John A. Townley.
Secretary—Charles B. Murray.
Superintendent—Sidney D. Maxwell.

Officers for 1883-84.

President—W. W. Peabody.
First Vice-President—Lewis L. Sadler.
Second Vice-President—Adolph Wood.
Directors—For One Year—Frank Kinsey, Richard H.
 Coet, Chas. Fleischmann, B. Frank Davis, F. X. Beno.
For Two Years—Stephen F. Dana, Sam'l Bailey, Jr.,
 Henry J. Page, William V. Ebersole, Chas. H. Jacob.
Treasurer—John A. Townley.
Secretary—Charles B. Murray.
Superintendent—Sidney D. Maxwell.
Board of Real Estate Managers—W. W. Peabody,
 President; Henry C. Urner (four years), John Car-
 lisle (three years), A. Hickenlooper (two years),
 Seth C. Foster (one year).

Officers for 1884-85.

President—W. W. Peabody.
First Vice-President—Adolph Wood.
Second Vice-President—Adam Gray.
Directors—For One Year—Stephen F. Dana, Samuel Bailey, Jr., Henry J. Page, William V. Ebersole, Charles H. Jacob.
 For Two Years—C. C. Waite, Lewis W. Shaffer, Grove J. Penney, Henry DeBus, Henry M. Warren.
Treasurer—Herman Goepper.
Secretary—Charles B. Murray.
Superintendent—Sidney D. Maxwell.
Board of Real Estate Managers—W. W. Peabody—President; John Kyle (four years), Henry C. Urner (three years), John Carlisle (two years), A. Hickenlooper (one year).

Officers for 1885-86.

President—Edwin Stevens.
First Vice-President—Adam Gray.
Second Vice-President—Levi C. Goodale.
Directors—For One Year—C. C. Waite, Lewis W. Shaffer, Grove J. Penney, Henry DeBus, Henry M. Warren.
 For Two Years—L. H. Brooks, John A. Kreis, Wm. E. Hutton, Ralph Peters, Sol. P. Kineon.
Treasurer—Chas. H. Flach.
Secretary—Charles B. Murray.
Superintendent—Sidney D. Maxwell.
Board of Real Estate Managers—Edwin Stevens, President; James M. Glenn (four years), John Kyle (three years), Henry C. Urner (two years), John Carlisle (one year).

Officers for 1886-87.

President—A. Hickenlooper.
First Vice-President—Levi C. Goodale.
Second Vice-President—C. C. Waite.
Directors—For One Year—L. H. Brooks, John A. Kreis, William E. Hutton, Ralph Peters, Sol. P. Kineon.
 For Two Years—John M. Kirtley, Augustus H. Honshell, William L. Hunt, Frank Evans, Joseph Rawson, Jr.
Treasurer—Richard Ryan.
Secretary—Ambrose White.
Superintendent—Sidney D. Maxwell.
Board of Real Estate Managers—A. Hickenlooper, President; John Carlisle (four years), James M. Glenn (three years), John Kyle (two years), Henry C. Urner (one year).

Officers for 1887-88.

President—Levi C. Goodale.
First Vice-President—C. C. Waite.
Second Vice-President—Lowe Emerson.
Directors—For One Year—John M. Kirtley, Augustus H. Honshell, William L. Hunt, Frank Evans, Joseph Rawson, Jr.
 For Two Years—Joseph R. Brown, G. V. Stevenson, Sam. W. Weldler, Paris C. Brown, Charles R. Brent.
Treasurer—Albert Erkenbrecher.
Secretary—William E. Hutton.
Superintendent—Sidney D. Maxwell.
Board of Real Estate Managers—Levi C. Goodale, President; Henry C. Urner (four years), John Carlisle (three years), James M. Glenn (two years), John Kyle (one year).

Officers for 1888-89.

President—Thomas Morrison.
First Vice-President—Lowe Emerson.
Second Vice-President—Richard Dymond.
Directors—For One Year—Joseph R. Brown, G. V. Stevenson, Sam. W. Weldler, Paris C. Brown, Charles R. Brent.
 For Two Years—J. Walter Freiberg, A. H. McLeod, William McCallister, John F. Hazen, John N. Wooliscroft.
Treasurer—William L. Hunt.
Secretary—Paul M. Millikin.
Superintendent—Sidney D. Maxwell.
Board of Real Estate Managers—Thomas Morrison, President; John Kyle (four years), Henry C. Urner (three years), John Carlisle (two years), James M. Glenn (one year).

Officers for 1889-90.

President—Lee H. Brooks.
First Vice-President—Richard Dymond.
Second Vice-President—Joseph R. Brown.
Directors—For One Year—J. Walter Freiberg, A. H. McLeod, William McCallister, John F. Hazen, John N. Wooliscroft.
 For Two Years—Samuel J. Hale, George F. Munson, William Montgomery, Robert Laidlaw, Edward Senior.
Treasurer—Gazzam Gano.
Secretary—H. B. Morehead.
Superintendent—Sidney D. Maxwell.
Board of Real Estate Managers—Lee H. Brooks, President; Samuel Bailey, Jr. (four years), C. M. Holloway (three years), Henry C. Urner (two years), John Carlisle (one year).

Officers for 1890-91.

President—Lowe Emerson.
First Vice-President—Joseph R. Brown.
Second Vice-President—Ralph Peters.
Directors—For One Year—Samuel J. Hale, George F. Munson, William Montgomery, Robert Laidlaw, Edward Senior.
 For Two Years—Frank A. Rothier, Benj. F. Haughton, John M. Kennedy, Harry L. Laws, Dawson Blackmore.
Treasurer—Samuel W. Ramp.
Secretary—N. R. Adriaance.
Superintendent—Sidney D. Maxwell.
Board of Real Estate Managers—Lowe Emerson, President; John Grubb (four years), Samuel Bailey, Jr. (three years), C. M. Holloway (two years), Henry C. Urner (one year).

Officers for 1891-92.

President—Joseph R. Brown.
First Vice-President—Ralph Peters.
Second Vice-President—Michael Ryan.
Directors—For One Year—Frank A. Rothier, Benj. F. Haughton, John M. Kennedy, Harry L. Laws, Dawson Blackmore.
 For Two Years—Thomas W. Allen, J. Milton Blair, Robert W. Wise, Frank A. Brown, B. W. Wasson.
Treasurer—George H. Bohrer.
Secretary—James T. McHugh.
Superintendent—Charles B. Murray.

* Died March 20, 1889. C. M. Holloway elected to fill vacancy April 23, 1889.

Officers for 1892-93.

President—Brent Arnold.
First Vice-President—Michael Ryan.
Second Vice-President—William E. Hutton.
Directors—*For One Year*—Thomas W. Allen, J. Milton Blair, Robert W. Wise, Frank A. Brown, B. W. Wasson.
For Two Years—Casper H. Rowe, Albert Lackman, Peter Van Leunen, James B. Wallace, Albert B. Voorhels.
Treasurer—Clifford B. Wright.
Secretary—Maurice J. Freiberg.
Superintendent—Charles B. Murray.

Officers for 1893-94.

President—Michael Ryan.
First Vice-President—William E. Hutton.
Second Vice-President—Maurice J. Freiberg.
Directors—*For One Year*—Casper H. Rowe, Albert Lackman, Peter Van Leunen, James B. Wallace, Albert B. Voorhels.
For Two Years—Paris C. Brown, Adam Smyrl, S. W. Bard, W. W. Granger, Jr., Rufus Burckhardt.
Treasurer—George Guckenberger.
Secretary—A. H. Pape.
Superintendent—Charles B. Murray.

Officers for 1894-95.

President—James M. Glenn.
First Vice-President—Maurice J. Freiberg.
Second Vice-President—Wm. McCallister.
Directors—*For One Year*—Paris C. Brown, Adam Smyrl, S. W. Bard, W. W. Granger, Jr., R. Burckhardt.
For Two Years—J. Parker Gale, Talton Embry, Nicholas J. Hoban, F. M. Huschart, T. P. Wiggins.
Treasurer—Albert Lackman.
Secretary—C. Lee Williams.
Superintendent—Charles B. Murray.

Officers for 1895-96.

President—Maurice J. Freiberg.
First Vice-President—Wm. McCallister.
Second Vice-President—B. W. Wasson.
Directors—*For One Year*—J. Parker Gale, Talton Embry, Nicholas J. Hoban, F. M. Huschart, T. P. Wiggins.
For Two Years—H. Lee Early, Frank W. Foulds, John H. Allen, George F. Dieterle, John S. Shillito.
Treasurer—Casper H. Rowe.
Secretary—Fred. Guckenberger.
Superintendent—Charles B. Murray.

Officers for 1896-97.

President—J. Milton Blair.
First Vice-President—B. W. Wasson.
Second Vice-President—Wm. L. Hunt.
Directors—*For One Year*—H. Lee Early, Frank W. Foulds, John H. Allen, George F. Dieterle, John S. Shillito.

Officers for 1896-97—Cont'd.

For Two Years—Robert H. West, Edwin C. Gibbs, Oscar F. Barrett, Clarence H. Jones, J. W. Dunn.
Treasurer—P. M. Millikin.
Secretary—James B. Wallace.
Superintendent—Charles B. Murray.

Officers for 1897-98.

President—William McCallister.
First Vice-President—Oliver L. Perin.
Second Vice-President—William B. Melish.
Directors—*For One Year*—Robert H. West, Edwin C. Gibbs, Oscar F. Barrett, Clarence H. Jones, J. W. Dunn.
For Two Years—William F. Robertson, Wm. A. Goodman, Jr., H. P. Wiborg, John M. Macdonald, William R. McQuillan.
Treasurer—Charles A. Hinsch.
Secretary—Charles L. Garner.
Superintendent—Charles B. Murray.

Officers for 1898-99.

President—Robert H. West.
First Vice-President—John H. Allen.
Second Vice-President—James T. McHugh.
Directors—*For One Year*—William F. Robertson, William A. Goodman, Jr., H. P. Wiborg, John M. Macdonald, William R. McQuillan.
For Two Years—Charles E. Fish, Jr., M. E. Lynn, Charles E. Knaul, Hugo Gruner, J. F. Ellison.
Treasurer—L. B. Daniel.
Secretary—George Metzger.
Superintendent—Charles B. Murray.

Officers for 1899-1900.

President—John H. Allen.
First Vice-President—James T. McHugh.
Second Vice-President—George F. Dieterle.
Directors—*For One Year*—Charles E. Fish, Jr., M. E. Lynn, Charles E. Knaul, Hugo Gruner, J. F. Ellison.
For Two Years—George Zehler, Austin M. Smith, A. H. McLeod, H. G. Foulds, N. H. Biggs.
Treasurer—James W. Ellis.
Secretary—Lee Clary.
Superintendent—Charles B. Murray.

Officers for 1900-01.

President—James T. McHugh.
First Vice-President—George F. Dieterle.
Second Vice-President—J. F. Ellison.
Directors—*For One Year*—George Zehler, † C. A. Hinsch, A. H. McLeod, H. G. Foulds, N. H. Biggs.
For Two Years—A. Zeckendorf, Albert McCullough, George A. Root, E. S. Grant, George Peck.
Treasurer—Charles E. Roth.
Secretary—Frank C. Grote.
Superintendent—Charles B. Murray.

* Elected November 9, 1897, to fill vacancy.

† Elected January 24, 1899, to fill vacancy.

‡ Elected October 23, 1900, to fill vacancy.

§ Under amendments of the By-laws adopted on July 2, 1901, changing the annual election date from September to January, the Officers for 1900-01 continued until January, 1902.

Officers for 1903.*President*—W. W. Granger.*First Vice-President*—J. F. Ellison.*Second Vice-President*—Samuel Bailey, Jr.*Directors—For One Year*—A. Zeckendorf, Albert McCullough, George A. Root, E. S. Grant, George Peck.*For Two Years*—Albert C. Gale, George M. Halm, Morris F. Westheimer, D. J. Mullaney, Wm. C. Rogers.*Treasurer*—John H. Goyert.*Secretary*—James T. Earle.*Superintendent*—Charles B. Murray.**Officers for 1903.***President*—J. F. Ellison.*First Vice-President*—Samuel Bailey, Jr.*Second Vice-President*—J. B. Wallace.*Directors—For One Year*—Albert C. Gale, George M. Halm, Morris F. Westheimer, Daniel J. Mullaney, William C. Rogers.*For Two Years*—L. V. Finkle, J. George Jung, Will L. Finch, J. V. Maescher, Simon Greenebaum.*Treasurer*—August Fetter.*Secretary*—Frank P. Thomas.*Superintendent*—Charles B. Murray.**Officers for 1904.***President*—Samuel Bailey, Jr.*First Vice-President*—J. B. Wallace.*Second Vice-President*—B. W. Campbell.*Directors—For One Year*—L. V. Finkle, J. George Jung, Will L. Finch, J. V. Maescher, Simon Greenebaum.*For Two Years*—Walter A. Draper, George Koehler, A. G. Norman, Robert P. Gillham, Frank F. Collins.*Treasurer*—W. W. Alexander.*Secretary*—Joseph D. Morten.*Superintendent*—Charles B. Murray.**Officers for 1905.***President*—H. Lee Early.*First Vice-President*—L. L. Sadler.*Second Vice-President*—Robert W. Wise.*Directors—For One Year*—Walter A. Draper, George Koehler, A. G. Norman, Robert P. Gillham, Frank F. Collins.*For Two Years*—B. W. Gale, Edward R. Buhrman, Harry H. Hill, J. M. Sears, John Hoffmann.*Treasurer*—O. G. Fetter.*Secretary*—John B. Clancey.*Superintendent*—Charles B. Murray.

BY-LAWS.

AS IN FORCE JANUARY 1, 1905.

PREAMBLE.

The members of the Cincinnati Chamber of Commerce and Merchants' Exchange, an Association organized and incorporated to collect information in relation to commercial, financial, and industrial affairs, that may be of general interest and value; to secure uniformity in commercial laws and customs; to facilitate business intercourse; to promote equitable principles, as well as the adjustment of differences and disputes, in trade, adopt the following By-laws:

ARTICLE I.

MEMBERSHIP.

SECTION 1. This Association shall comprise active and honorary members.

SEC. 2. Any person of good character, and of lawful age, on the proposal of one member, seconded by another, and on presentation of a written application stating the nature of his business, and such other information as the Board of Directors may require, after ten days' notice of such application has been conspicuously posted upon the bulletin board of the Exchange, may be admitted to active membership, if elected by the Board of Directors, on presentation of a certificate of unimpaired or unforfeited membership duly transferred to him, and on signing an agreement to abide by the By-laws, Rules and Regulations of the Association, and all amendments that may be made thereto. In the event of an application for membership being rejected by the Board of Directors, a subsequent application for the same party shall not be entertained during a period of six months from the date of the first application of the said party.

SEC. 3. The Board of Directors may, by unanimous vote, admit to honorary membership any person who, from eminence, shall seem entitled to such consideration; and such honorary membership shall confer all the rights and privileges of active members during life, unless withdrawn for cause. But not more than one person shall be so admitted in any one year.

Honorary members.

ARTICLE II.

GOVERNMENT.

Government of
the Association;
how
vested.

Board of Directors;
terms of
office.

Continuance of
Board of Directors,
committees, etc.

Beginning of official
terms.

Members eligible
to hold office,
etc.

SECTION 1. The government of the Cincinnati Chamber of Commerce and Merchants' Exchange is hereby vested in a Board of Directors, consisting of the President, two Vice-Presidents, the Treasurer, the Secretary and ten Directors, who shall be elected by ballot as hereinafter provided. The term of office of the President, Treasurer, and Secretary shall be for one year, or until their successors are elected and qualified. The term of office of the Vice-Presidents and the Directors shall be for two years, or until their successors are elected and qualified. The President, one Vice-President, the Treasurer, the Secretary, and five Directors to be elected each year. *Provided*, that the Board of Directors and all committees and appointees holding office at the time of the adoption of this article, shall continue in their respective offices and duties until their successors are duly elected and qualified.

SEC. 2. The official terms of all members of the Board of Directors shall begin on the Monday succeeding their election.

SEC. 3. No member shall be eligible to election as a member of the Board of Directors who has not been a member of the Association for at least one year preceding his election. Nor shall any person be eligible to election to any office, or to appointment upon any committee, who is not directly and actively engaged in mercantile, manufacturing, transportation, banking, insurance or kindred pursuits.

ARTICLE III.

ELECTIONS.

Annual election.

Polls, when open.

Voting: who can
vote, and how.

Tellers.

SECTION 1. The annual election to supply the places of the officers and directors whose terms of office are about to expire, shall be held on the first Wednesday following the second Tuesday in January of each year. The polls shall be opened at 12 o'clock M., and closed at 3 o'clock P. M. All members in good and regular standing shall be entitled to vote. All voting shall be by ballot, and proxies shall not be allowed. A plurality of votes cast shall constitute a choice.

SEC. 2. The President shall, prior to any election of the Association, appoint from the members five tellers, who shall have charge of the ballot-boxes and poll lists. It shall be the duty of the tellers to receive the ballots of all members entitled to vote, to make a list of all members voting, to canvass the votes immediately after each election, and to make a return of the result thereof to the President or Secretary. Three of the tellers shall constitute a quorum for

receiving and recording the votes. The Secretary shall preserve all ballots for at least two months after an election, for further examination, if the same shall be ordered by the Board of Directors, to verify the returns made by the tellers.

Ballots, preserved for two months.

SEC. 3. Upon the second Tuesday in December in every year, the Association shall elect, by ballot, a nominating committee of fifteen members, who shall nominate candidates for all of the offices to be filled at the annual election on the first Wednesday following the second Tuesday in January. The nominations so made shall be publicly announced on 'Change, and posted on the bulletin board, at least twelve days before the day of election. No person shall be eligible for any of the offices to be filled whose name shall not have been publicly announced on 'Change, and posted on the bulletin board, at least two days before the day of election.

Nominating committee.

Nominations to be announced and posted.

ARTICLE IV.

DUTIES OF OFFICERS.

SECTION 1. The PRESIDENT shall preside at all meetings of the Association and the Board of Directors, and shall act as the executive officer of the Association. He shall at the annual meetings of the Association, and at such other times as he may deem proper, communicate to the Association such matters as may, in his opinion, tend to promote the prosperity and welfare, and increase the usefulness, of the Association, and shall perform such other duties as are prescribed by these by-laws, or are necessarily incident to his office.

President.

SEC. 2. The VICE-PRESIDENT serving upon the last year of his official term shall be the First Vice-President, and the Vice-President serving upon the first year of his official term shall be the Second Vice-President. In case of the absence or disability of the President, the Vice-Presidents, in the above order, shall perform the duties of the President; and in case of the absence or disability of the President and both Vice-Presidents, the Board of Directors shall appoint one of their number to temporarily perform the duties of the President.

Vice-Presidents.

SEC. 3. The TREASURER shall receive all moneys due to the Association, and, under the direction of the Board of Directors, shall deposit, invest, and disburse the same. He shall not pay out any of the funds of the Association, except upon an order signed by the Secretary and countersigned by the President. He shall keep regular accounts of the financial concerns of the Association, and render a statement thereof at each regular meeting of the Board of Directors. He shall also exhibit an abstract of the same at each quarterly

Treasurer.

meeting of the Association, and make a detailed report thereof at each annual meeting.

The Treasurer shall give a bond, with two sufficient sureties, approved by the Board of Directors, in the penal sum of \$50,000, for the faithful performance of the duties imposed on him by virtue of his office.

Secretary.

SEC. 4. The SECRETARY shall conduct the official correspondence of the Association, preserve official communications, keep an accurate record of the transactions of the Association and of the Board of Directors, and perform such other duties as are incident to his office.

ARTICLE V.

DUTIES AND POWERS OF THE BOARD OF DIRECTORS.

Business and financial concerns: how managed.

SECTION 1. The business and financial concerns of the Association shall be managed and conducted by, or under the direction of, the Board of Directors.

Board to enact rules,

SEC. 2. The Board of Directors, in addition to the duties specifically enjoined by these by-laws, shall enact such rules as may be deemed expedient for the government of the Exchange, for the regulation of the various departments of trade, and for the guidance and control of the committees herein provided for; it shall provide suitable Exchange rooms, and other necessary rooms and offices for the use of the Association; shall judge of the qualifications of persons applying for membership; and shall generally do such other proper and needful things as in its judgment will tend to promote the usefulness of the Association, and carry out the purposes of its organization.

Meetings of Directors.

SEC. 3. The Board of Directors shall hold its regular meetings on the first Tuesday of each month. The President may, and, upon the written request of five members of the Board, shall, call special meetings of the Board. At all meetings of the Board of Directors, eight members present shall constitute a quorum.

Quorum.

When absence from meetings creates vacancy.

SEC. 4. If any member of the Board of Directors shall be absent from more than two consecutive regular meetings of the Board, without having been previously excused, or without sending a communication to the President, giving sufficient reasons for his absence, his seat in the Board may, by vote of the Board, be declared vacant.

Vacancies: how filled.

SEC. 5. In case of any vacancy from death, resignation, or other cause, in the Board of Directors, the Board of Directors shall communicate the same to the Association, and fix a day for an election by the Association to fill such vacancy for the remainder of the official term.

SEC. 6. The Board of Directors shall report at each quarterly meeting of the Association whatever may be deemed of general interest in its proceedings during the preceding quarter, and at the annual meeting shall report full details of the condition and finances of the Association.

Reports of Board
of Directors.

SEC. 7. The Board of Directors may require of all appointees a good and sufficient bond to secure the faithful and honest performance of the duties assigned to such appointees.

Bonds of ap-
pointees.

SEC. 8. The Board of Directors shall have power to examine and try charges of misconduct in business matters, preferred against a member of the Association, when made to the President in writing by a member of the Association; and if the person against whom such charges are made shall be found guilty of a violation of these By-laws or the rules for the regulation of the Exchange, of a breach of contract, of false or fictitious reports of sales or purchases, willfully interfering with the collection of the reports of the movement of commodities, of a failure to comply with any award of the Committees of Arbitration or Appeals, or of any act contrary to the spirit that should govern all commercial transactions, the Board, by a majority vote of the whole Board, may cause him to be publicly reprimanded on 'Change, may suspend him from membership indefinitely or for a definite time (said time not to be less than six months), or may expel him from membership in the Association.

Charges of mis-
conduct.

Penalties.

SEC. 9. It shall be the duty of the Board of Directors, in case any grave offense committed by any member against the good name or dignity of the Association shall come to its knowledge, either by public rumor, report or otherwise, to cause a preliminary or informal investigation to be made by a committee of its number, into the truth or falsity of such rumor or report; and if the said committee, after investigation, shall deem any member guilty of such offense as rumored or reported, they shall so report to the Board of Directors, with charges; whereupon the member thus implicated shall be notified to appear before the Board of Directors in manner as provided by Section 3, Article XII, and, if found guilty, the said member shall be reprimanded, suspended or expelled, as hereinbefore provided.

Public rumors or
reports of grave
offenses by
members.

Investigation by
committee.

Punishment, if
sustained.

SEC. 10. In any investigation or trial before the Board of Directors, or before any other duly constituted committee or other tribunal of the Association, if any member, who shall have had notice from the Secretary or Superintendent, in writing, to appear and testify in the case, or if any member who shall have been cited by the chairman of any duly constituted committee or other tribunal of the Association to appear and testify, shall neglect or refuse to so appear and testify, or, if testifying, shall refuse to answer any question which may, by a majority vote of the said Board of Directors,

Refusal to appear
as a witness.

Or to answer
questions.

Punishment for such contempt.

committee or other tribunal, be declared proper and pertinent to the case in hearing, he shall be subject to suspension by the said Board, from all privileges of the Association, for such period as said Board may determine; which may be done by said Board in case of contempt of a witness before said Board of Directors, or on the report in writing of any such committee or other tribunal, in case the contempt shall occur before such committee or other tribunal of the Association.

Announcement and notification of suspensions and expulsions.

SEC. 11. Upon the suspension or expulsion of a member, notice thereof shall be conveyed to him by the Secretary, and the Superintendent shall announce the same on 'Change.

Suspended or expelled members: how re-admitted.

SEC. 12. A suspended member may be reinstated by a majority vote of the whole Board of Directors. An expelled member shall be ineligible to re-election; unless by vote of the Association his disability shall have been removed.

ARTICLE VI.

COMMITTEES OF ARBITRATION AND APPEALS.

Committee of Arbitration: how appointed.

SECTION 1. The Board of Directors shall annually, at its regular meeting in the month of February, appoint a Committee of Arbitration, to consist of fifteen members, who shall not be members of the Board of Directors, to hear and decide such mercantile disputes as may be submitted to it, any five of whom shall form a quorum, to hear and determine cases submitted to the committee.

Committee of Appeals: how appointed.

SEC. 2. The Board of Directors shall annually, at its regular meeting in the month of February, appoint a Committee of Appeals, to consist of fifteen members, who shall not be members of the Board of Directors, any five of whom shall form a quorum, to hear and determine appeals that may be made from the awards and findings of the Committee of Arbitration.

Oath of members of committees.

SEC. 3. Before entering upon the trial of any case, the members of the Committees of Arbitration and Appeals, taking part therein, shall be required to take, or subscribe to, the following oath or affirmation (the oath or affirmation to be administered by a Judge or Justice of the Peace of the County of Hamilton, State of Ohio), or other officer authorized, or to be authorized, to administer oaths in such cases: "I do solemnly swear (or affirm), that I will hear and examine all matters of controversy between (naming the parties to the controversy) in the case now submitted for trial; and that I will make a just and equitable award or finding upon the same, according to the evidence, to the best of my understanding. So help me God."

Superintendent to act as clerk.

SEC. 4. The Superintendent, either in person or by deputy, shall act as clerk of the Committees of Arbitration and Appeals.

SEC. 5. All oral evidence in all cases submitted to the Com-

mittee of Arbitration shall be taken and recorded by a competent phonographer, who shall be sworn to faithfully record the same.

Phonographereports to be made.

SEC. 6. The award or finding of a majority of either of the committees present, and trying the case, shall be valid and binding.

Awards binding

SEC. 7. Any award or finding of the Committee of Arbitration may be appealed from, and the case carried to the Committee of Appeals for revision; *Provided*, that notice of such appeal shall be given to the Superintendent in writing within three business days after such award or finding shall have been delivered to the parties in controversy.

Appeal to Committee of Appeals: how made.

SEC. 8. The Committees of Arbitration and Appeals shall each render their awards or findings in writing, which shall be signed by the members of the committee determining the same, and certified copies thereof shall be furnished by the Superintendent, or his deputy, to the parties in controversy in each case. The official records and decisions of the committees may be inspected by any member of the Association upon application to the Superintendent.

Awards to be in writing.

Records and decisions open to inspection by members.

SEC. 9. Members desiring the services of either of the committees, shall notify the Superintendent to that effect in writing, and before submitting the case, the parties to such submission shall enter into, and exchange, arbitration bonds,* which shall be conditioned for the faithful performance of the award, and set forth the names of the arbitrators, and the matters submitted to their determination; and that the submission shall be made a rule of any court of record within the State of Ohio, or a rule of any particular court of record named in the submission. The arbitration bonds shall specify a time and place for the hearing, allowing the arbitrators the right to adjourn from time to time, until a conclusion is reached; and a time shall be named in the bonds, within which the award shall be made. But neither of the parties shall cause to be entered such submission and award as a rule of a court in any case that may be appealed to the Committee of Appeals, until after the award or finding of said Committee of Appeals is made.

How to obtain the services of the committees.

Arbitration bonds: how conditioned, and how drawn

Submission made a rule of court.

In cases appealed, award not to be entered as a rule of court until after final finding.

SEC. 10. When any award or finding of the Committee of Arbitration shall be appealed from, the official record of the trial, including all the oral and documentary evidence, with the decision of the Committee of Arbitration, and the dissenting opinion (if any) of the minority of the Committee, shall be handed to the Committee of Appeals, and argument heard thereon by the said Committee, but no new witnesses shall be examined, nor any new testimony of any kind be introduced before the Committee of Appeals.

New testimony not allowed in trials before Committee of Appeals.

* NOTE.—In order to comply with the statute, the arbitration bonds must contain the names of all the members of the committee before which the case is to be tried, with the agreement that the case may be tried by the whole committee, or any number (not less than five) of its members.

Powers of Committee of Appeals.

SEC. 11. The Committee of Appeals may confirm, modify, or reverse the awards or findings of the Committee of Arbitration, and its awards or findings shall be final and binding, and shall not be set aside or revised by any other tribunal of the Association.

Fees.

SEC. 12. The fees of each Committee in any case, including phonographic and other costs, shall not be less than ten dollars nor more than one hundred dollars, to be paid as directed by the Committee to the Treasurer, for the use of the Association.

Submission of cases by persons not members.

SEC. 13. Persons not members of the Association, who may have controversies with members, may avail themselves of the services of the Committees of Arbitration and Appeals, on the same terms, conditions and regulations that apply to members; *Provided*, that they furnish a member of the Association as surety on their bond.

Special Arbitration Committees: how appointed.

SEC. 14. The President shall have power to appoint special arbitration committees, to arbitrate cases of controversy between members, when requested so to do; or, with his approval, the parties to any controversy may agree upon such a committee. From the award or finding of a special arbitration committee there shall be no appeal. The members of a special arbitration committee shall take the same oath or affirmation prescribed for members of the Standing Committee of Arbitration; and the parties to any controversy, submitted to a special arbitration committee, shall enter into and exchange arbitration bonds in the manner and form prescribed in Section 9, of this article.

No appeal from award of a Special Committee.

Members must be sworn.

Arbitration bonds.

ARTICLE VII.

INSPECTION, ETC.

Appointment of Inspectors, Gaugers, Weighers and other officers.

SECTION 1. The Board of Directors shall, annually, at its regular meeting in the month of February, or thereafter, as occasion may arise, appoint such Inspectors, Gaugers, Weighers, Measurers, and other officers, as it may consider necessary for the purposes of the Association. The term of office of such appointees shall begin on the first of the month next succeeding their appointment, and shall continue until the end of the following February, or until their successors are appointed and assume their duties; but all such appointments shall be revocable at the will of the Board.

Term of appointed officers

Inspectors to give bond.

SEC. 2. Each of said Inspectors, Gaugers, Weighers and Measurers shall give bond to the satisfaction of the Board for the faithful performance of his duty; shall charge and receive from parties requiring his services, such fees as may, from time to time, be, by the Board, adjudged reasonable and proper; and may, with the approval of the Board, appoint such deputies as he may deem necessary. The official certificate of such Inspectors, Gaugers, Weighers and

Fees.

Official certificates.

Measurers shall be conclusive between parties interested, except in cases provided for in Section 4 and Section 5 of this article.

SEC. 3. The Board of Directors shall, annually, in the month of February, appoint Standing Committees on Inspection, for each interest subject to inspection, which committees shall consist of five members for each, and shall be appointed to serve for the year, beginning on the first day of March following their appointment, and shall also appoint Committees on Quotations in the leading departments of trade, for the daily official record of prices current; *Provided*, that the Board shall have power to remove at pleasure any member of said committees, and to make new appointments thereto, to supply vacancies caused by removal, resignation or death.

Standing Committees on Inspection, etc.

SEC. 4. The Standing Committees on Inspection shall have general supervision of the transactions of the Inspectors, Gaugers, Weighers and Measurers, each committee in its proper sphere; they shall act as referees in cases of dispute as to inspection, gauging, weighing and measuring, and shall, as occasion may arise, recommend to the Board such rules and regulations as may seem to them to be required in their several departments, and the Standing Committees on Grain Inspection and Public Weighing shall have the further power to hear and determine all controversies arising between members in grain trade and weighing matters that may be voluntarily submitted to them. *Provided*, however, that either party to the controversy may appeal from the decision of the said committees to the Committee of Arbitration within three days after the decision has been made known to the said parties.

Duties of Standing Committees.

SEC. 5. The appropriate Standing Committee shall have cognizance of charges against any Inspector, Gauger, Weigher or Measurer, or other officer appointed by the Board; and when such charges are formally presented in writing, shall carefully examine into the same, and in its discretion may reprimand the delinquent or assess damages against him for the benefit of the complainant, or recommend his removal from office to the Board of Directors; but in all cases the Inspector, Gauger, Weigher or Measurer, or other officer may appeal to the Board, within three days after the decision of the Standing Committee has been communicated to him, and the Board shall examine into the case, and confirm, modify, or amend the award of the committee, as may seem to be just and requisite.

Charges against Inspectors and other officers.

SEC. 6. The Board of Directors shall, from time to time, with the advice and consent of the respective Standing Committees, prepare and establish standards for the classification of the various articles subject to inspection, and make such rules and regulations for the guidance of their Inspectors, Gaugers, Weighers and Measurers, and other officers as may be required; and the said standards, rules and regulations shall be binding upon all parties concerned.

Standards of inspection.

ARTICLE VIII.

SUPERINTENDENT.

Elected annually

To have charge of rooms.

To collect statistics, and prepare and publish annual report.

Attend meetings of Committees of Arbitration and Appeals. See that phonographic reports of testimony are made

Shall appoint assistants.

The Superintendent shall be elected annually by the Board of Directors, and shall hold his office at the pleasure of the Board. He shall have charge of the Exchange and other rooms occupied by the Association, provide them with stationery and other necessary supplies, cause them to be properly heated, lighted, ventilated, cleaned, and kept in good condition, and see that order is preserved therein. He shall have charge of all statistical work of the Association, and shall cause to be collected the statistics of the daily movement of the commodities of trade in Cincinnati, and have the same placed in an intelligible and orderly form on the books of the Association. He shall, at the conclusion of each fiscal year prepare a detailed report of the trade and commerce of the city, in its various leading departments, and shall have charge of, and attend to the publication of the same. He shall, either in person or by deputy, attend the meetings of the Committees of Arbitration and Appeals, and Special Committees of Arbitration, and keep a record of the awards made thereby; he shall see that phonographic reports of the testimony in cases before the Committees of Arbitration are made, and, when requested, shall cite persons to appear to give testimony in such cases. He shall have charge of such property of the Association as may be committed to his care; and shall, with the advice and consent of the Board of Directors, appoint such assistants as may be necessary to aid him in the performance of his duties; and he shall perform such other duties pertaining to his office, as may be prescribed by the Board of Directors.

ARTICLE IX.

CERTIFICATES OF MEMBERSHIP.

Transfer fee.

SECTION 1. Each active member shall be entitled to receive a certificate of membership, bearing the corporate seal of the Association, and the signatures of the President and Secretary; which certificate, if the membership it represents is not in any way impaired or forfeited, shall be transferable upon the books of the Association to any person eligible to membership who may be elected by the Board of Directors, upon payment of a transfer fee of five dollars, and any unpaid assessments due thereon. The certificate of a deceased member may be transferred in like manner by his legal representatives. *Provided*, that any member who, at the time of the adoption of this Article, is not possessed of a certificate of membership, shall only be entitled to receive one through the transfer of the certificate of a retiring member.

SEC. 2. Upon the transfer of his certificate upon the books of the Association, the membership of the person so transferring his certificate shall cease.

SEC. 3. In case of the loss of any certificate, and of a claim that a new certificate be issued in place thereof, the owner shall make an affidavit stating the fact of such loss; he shall cause an advertisement to be published daily, for ten days, in one of the daily newspapers of Cincinnati, describing the lost certificate, and notifying all persons in interest to show cause why a new certificate should not be issued in place of the lost one; and he shall give such bond as the Board of Directors may require, for the purpose of indemnifying the Association from all damage that it may sustain in consequence of the issuing of a new certificate. Upon compliance with these conditions, the Board of Directors shall cause a certificate to be issued to such claimant, if he shall appear to be entitled to the same, in place of the lost certificate.

Loss of certificate

ARTICLE X.

ANNUAL ASSESSMENTS.

The annual assessment upon each active membership, for the purpose of defraying the expenses of the Association, shall be twenty-five dollars, and shall be payable, in advance, on the first day of January in every year. Any member who neglects or refuses to pay the same within thirty days after the same is payable, shall be excluded from the rooms of the Association, until payment is made; and any member who fails to pay the assessment within one year from the time when the same is payable, shall be deemed to have relinquished his membership, and the certificate representing such membership shall be forfeited and void, and such person can thereafter be re-admitted only as a new applicant.

Payable January 1.

Penalty for neglect of payment.

Provided, that for the period of four months from September 1, 1901, to December 31, 1901, inclusive, the assessment shall be eight dollars and thirty-three cents, which shall be due on September 1, 1901, and any member who neglects or refuses to pay the same within thirty days after the same is payable shall be excluded from the rooms of the Association until payment is made, and any member who fails to pay such assessment within four months from the time when it is payable shall be deemed to have relinquished his membership, and the certificate representing such membership shall be forfeited and void.

For four months ending December 31, 1901

ARTICLE XI.

MEETINGS.

SECTION 1. The annual meetings of the Association shall be held on the first Monday following the second Tuesday in January, in each year.

Annual meetings.

Special meetings:
how called.

Twenty-four
hours' notice to
be given.

Business may be
at once consid-
ered, by unani-
mous vote.

Quorum.

No debate or ac-
tion to be had
during session
of Exchange,
except at an-
nual meeting.

Division can
only be had
upon demand
of ten mem-
bers.

Daily session of
Exchange.

SEC. 2. The President may, and upon the written request of a majority of the Board of Directors, or of twenty-five members of the Association, shall call special meetings of the Association; of which except for action on the death of a member, at least twenty-four hours' notice shall be given by the President. Such notice shall state explicitly the object for which the meeting is called, and the transactions at said meeting shall be limited to the business stated in the call. *Provided*, that upon the announcement by the President of a call for a meeting under the foregoing provisions, the business stated in the call may be at once considered and acted upon by the members present, if a motion to that effect be actually put and unanimously carried.

SEC. 3. At all meetings of the Association fifty active members shall constitute a quorum for the transaction of business, but no action shall be had involving the expenditure of money of the Association unless authorized by or concurred in by a majority vote of the Board of Directors.

SEC. 4. No debate or action shall be had on any subject during the hours of the Exchange daily session, except on the day of the annual meeting.

SEC. 5. At any meeting of the Association the vote on any motion or resolution may be decided by the presiding officer by a *viva voce* vote; but on the demand of any ten members a division requiring a count by the Secretary or tellers can be had, but the yeas and nays can not be ordered.

SEC. 6. There shall be a daily session of the Exchange during such hours as the Board of Directors may provide (Sundays and legal holidays excepted), but this section shall not prevent adjournment at any time the Chamber may so order.

ARTICLE XII.

CONCERNING TRIALS AND CHARGES OF MISCONDUCT.

Charges: how
made.

SECTION 1. All charges made against any member of the Association for any default, misconduct, or offense, shall be addressed to the President in writing, and shall state, in ordinary language, the default, misconduct or offense charged; and the same must be signed by one or more members of the Association, or by a business firm, at least one of whose members shall be a member of the Association.

Committee to be
appointed for
preliminary in-
vestigation.

SEC. 2. Upon the receipt of any such charges the President shall appoint a committee of three members of the Board of Directors, whose duty it shall be to examine into the gravamen of the charge, and if thought proper so to do, to endeavor to reconcile the matter in dispute, or to induce the parties interested to submit the same to arbitration. Should the committee fail to effect such reconcilia-

tion, or such agreement to arbitrate, and should it find that the charge is one proper to be brought to trial, it shall report the same, in writing, to the Board of Directors, whereupon the Board, if it shall so determine by vote, shall, at such time as it may designate, proceed to a trial of the accused upon the matters charged.

Board shall try persons charged.

SEC. 3. No member shall be reprimanded, suspended or expelled without a trial by the Board of Directors of the charges made against him, nor without an opportunity to be heard in his own defense. No trial shall take place until after notice shall have been served upon the accused member, accompanied by a copy of the charges against him. Such notice may be served upon the accused personally by the Secretary, or by an employe of the Association, or it may be left at his residence or place of business, or it may be sent by mail to the last known residence of the accused, should he have no residence or place of business in Cincinnati. Such service of notice shall be considered sufficient, and after same the trial may proceed whether the accused is present or not.

Accused entitled to trial before sentence.

How notice shall be served upon accused.

ARTICLE XIII.

RULES FOR THE MANAGEMENT OF TRIALS AND CASES BEFORE THE BOARD OF DIRECTORS, AND COMMITTEES OF ARBITRATION AND APPEALS.

RULE 1. No trial before the Board or Committees shall be proceeded with in the absence of either party, until after proof of service of notice, by the Secretary or an employe of the Association, personally, or at the place of business of the party, or by mail to his last known residence, if he has no place of business in Cincinnati. Unavoidable absence from the city, sickness, or the absence of material witnesses, shall be considered, at the discretion of the Board or Committees, cause for adjournment of trial.

Trial may be adjourned, in case of absence of either party.

RULE 2. The trial shall be opened by a verbal or written statement of the case by the complainant, and be followed by a verbal or written statement by the respondent. Interruptions of the same shall not be permitted.

Trials: how opened.

RULE 3. All testimony introduced in trials before the Board or Committees shall be under oath; the oath, in cases before either the Committee of Arbitration or the Committee of Appeals, to be administered by a Judge or a Justice of the Peace of the County of Hamilton, State of Ohio, or other officer authorized, or to be authorized, to administer oaths in such cases.

Testimony must be under oath.

Oath: how administered.

RULE 4. All questions as to the relevancy or admissibility of testimony shall be decided by the presiding officer. The party against whom the question of evidence is decided shall have the right of appeal to the Board or Committee trying the case.

As to relevancy of testimony: how decided.

- Interrogatories by only one person on each side.** **RULE 5.** All interrogatories by contestants shall be put by only one person on each side, unless by consent of the Board or Committee.
- Order of testimony.** **RULE 6.** The order of testimony shall be as follows:
- I. The evidence for the complainant.
 - II. The evidence for the respondent.
 - III. The evidence for the complainant in regard to new matter presented in the evidence for the respondent.
- The evidence shall then close, except that it may be reopened in the interest of justice, by vote of the Board or Committee.
- Cross-examination of witnesses.** **RULE 7.** The cross-examination of witnesses need not be confined to matters testified to in the direct examination, but can be extended to any matters necessary to make out the case of the party making the cross-examination.
- Re-examination in chief.** **RULE 8.** The re-examination in chief shall be strictly confined to new matter introduced in the cross-examination.
- Witnesses to testify from personal knowledge only.** **RULE 9.** Witnesses will only be permitted to testify as to facts within their own personal knowledge, and can not be allowed to state information given them by others.
- Irrelevant testimony excluded.** **RULE 10.** The testimony must be confined to the matters in controversy, and all irrelevant facts must be excluded.
- Impeachment of reputation of witnesses not permitted.** **RULE 11.** No impeachment of the general reputation of a witness for veracity shall be permitted.
- Accounts and papers may be referred.** **RULE 12.** Whenever books of account require any extended examination, or the papers presented are voluminous, the Board or Committee may refer the matter to one of their number, or to an accountant, for examination and report.
- When genuineness of signature is contested.** **RULE 13.** Whenever the genuineness of the signature of any material paper, presented in evidence, is contested, the Board or Committee shall dismiss the case, unless both litigant parties shall agree to a final decision without reference to the question of the genuineness of the signature.
- Proof of agency.** **RULE 14.** Proof of agency must be established before the admissions of an agent can be received.
- When cases may be dismissed.** **RULE 15.** The Board and the Committees reserve the right to dismiss any case where the conflict in the testimony is such that it may be deemed improper to proceed to give a decision.
- Parties not allowed to be represented by an attorney at law.** **RULE 16.** In trials or investigations before the Board of Directors, the Committees of Arbitration or Appeals, or any other committee of the Association, no party shall be allowed to be represented by an attorney at law.

ARTICLE XIV.

NATIONAL BOARD OF TRADE.

SECTION 1. This Association having membership in the National Board of Trade, it shall be the duty of the Board of Directors, prior to each annual session of said National Board of Trade, to appoint delegates to the same, in number as prescribed by the rules of that body.

Board of Directors to elect delegates.

SEC. 2. The term of office of delegates to the National Board of Trade shall begin at the opening of its annual session, or at such time as shall be fixed by the said National Board.

When term of office begins.

SEC. 3. The delegates to the National Board of Trade shall be constituted a Committee to consider and report to the Chamber upon all subjects submitted by the National Board of Trade to the Chamber of Commerce, as well, also, upon all subjects proposed to be submitted by the Chamber of Commerce to the National Board of Trade.

Delegates to make reports.

ARTICLE XV.

CLERKS, MESSENGERS AND REPORTERS.

SECTION 1. Each firm or business house, one or more of the members of which are members of the Association, upon the approval of the Board of Directors of the person for whom the application is made, shall be entitled to one or more clerks' tickets of admission to the daily Exchange meetings of the Association, on payment of the regular annual assessment of members, for each and every clerk; but the holder of a clerk's ticket must be in the employ of the member applying for the same, and he shall not have the right to transact any business in the Exchange rooms for any other person than the employer, to whom the ticket may have been issued. Any clerk's ticket, and all payments for the same, may be declared forfeited by the Board of Directors, upon satisfactory evidence that the person holding it has abused any of the privileges granted by it, or that he is not a *bona fide* employe of the person upon whose application it was issued.

Clerks' tickets. now obtained.

Causes for forfeiture of ticket.

SEC. 2. The Board of Directors shall be authorized, under such restrictions, regulations and limitations as it may deem proper, to grant admission to the Exchange rooms to messengers for members, such messengers not to be allowed to transact any business beyond communicating with their principal, and not to remain longer than is necessary for that purpose.

Messengers.

Reporters.

SEC. 3. Upon the approval of the Board of Directors, reporters of daily newspapers, published in the City of Cincinnati, may be admitted to the Exchange rooms, without charge.

ARTICLE XVI.

VISITORS.

**Visitors can not
transact busi-
ness.**

Visitors may be introduced to the Exchange rooms upon such conditions and for such time as the Board of Directors may determine. No person admitted as a visitor shall be permitted to transact any business in the Exchange rooms.

ARTICLE XVII.

PROHIBITED APPROPRIATIONS.

**Appropriations:
what prohib-
ited.**

No appropriation of money shall be made by the Board of Directors, or by the Association, for any other than the strictly legitimate business purposes of the Association.

ARTICLE XVIII.

AMENDMENTS.

These By-laws may be amended by a two-thirds vote of the members present and voting at any regular meeting of the Association, or at a special meeting called for the purpose; *Provided*, that the proposed amendments or alterations shall have been approved by a majority vote of the whole Board of Directors, and shall have been posted on the bulletin board for at least ten days prior to the meeting of the Association at which it is proposed to consider them.

ARTICLE XIX.

**Repeal of former
constitution.**

**Exception for
present officers**

The former Constitution, and all rules and regulations inconsistent with these By-laws, are hereby repealed. *Provided*, that the Board of Officers and all committees and appointees, holding office at the time of the adoption of this article, shall continue in their respective offices and duties, during the term for which they were elected, and until their successors are duly elected and qualified.

ANNUAL REPORTS
OF THE
TREASURER, SECRETARY AND SUPERINTENDENT
OF THE
CINCINNATI CHAMBER OF COMMERCE
AND
MERCHANTS' EXCHANGE.

REPORT OF THE TREASURER.

CINCINNATI, January 11, 1905.

SAMUEL BAILEY, JR., *President*

Cincinnati Chamber of Commerce and Merchants' Exchange:

DEAR SIR—I have the honor to submit herewith my report of the Finances of the Chamber of Commerce for the fiscal year ending December 31, 1904.

Very respectfully,

W. W. ALEXANDER,
Treasurer.

STATEMENT OF RECEIPTS AND DISBURSEMENTS.

For the Year ending December 31, 1904.

January 1, 1904—Balance December 31, 1903			\$1,195 51
RECEIPTS.			
Membership Dues.....		\$23,050 00	
Clerks' Tickets.....		225 00	
Desk Rent.....		271 75	
Transfer Fees.....		245 00	
Interest on Bank Account.....		108 55	
Arbitration Fees.....		45 00	
"Cincinnati Day" Committee, St. Louis Exposition (Subscription refunded).....		25 00	
Sundry other Receipts (Sale of Old Machinery, Paper, Scrap Iron, etc.)		532 69	
Rent Account (Rentals from Building).....		38,566 89	
Bills Payable (Call Loans).....		20,000 00	\$83,069 88
DISBURSEMENTS.			
Salaries.....	\$12,393 50		\$84,265 39
Telegraph Reports.....	5,987 65		
Janitor Service.....	2,441 75		
Annual Report.....	805 13		
Telephone Service.....	633 33		
Expense.....	988 05		
Stationery and Printing.....	294 94		
Postage.....	197 40		
Arbitration Fees.....	35 00		
Legal Expenses.....	10 00		
National Board of Trade.....	258 50		
Cincinnati Industrial Bureau.....	150 00		
Ohio State Board of Commerce.....	97 75		
Ohio Valley Improvement Association	50 00		
"Cincinnati Day" St. Louis Exposition (Subscription to Expenses of Committee).....	25 00		
Interest on Call Loans.....	149 11	\$24,717 11	
Interest on Chamber of Commerce Bonds (\$125,000, 4 per cent).....		5,000 00	
Bills Payable (Call Loans, 1903, paid off).....		7,500 00	
Amounts forward.....		\$37,217 11	\$84,265 39

STATEMENT OF RECEIPTS AND DISBURSEMENTS—Continued.

<i>Amounts brought forward</i>		\$37,217 11	\$84,265 39
BUILDING EXPENDITURES.			
Wages.....	\$5,229 55		
Fuel.....	3,685 84		
Electric Current.....	6,417 16		
Gas.....	83 66		
Water.....	859 54		
Building Supplies.....	624 41		
Building Repairs.....	1,234 91		
Building Expense.....	590 24		
Building Improvements, to wit:			
New Elevator Pump, Complete.....	\$3,906 58		
Water and Steam Connections to New Pump and			
Compression Tank, etc.....	3,463 76		
Strengthening Floors of Fifth Nat. Bank to carry			
New Vaults.....	1,887 15		
Changes in Electric Wiring of Building.....	775 65		
Fire Extinguishers on all Floors.....	157 50		
Covering Steam and Water Pipes.....	234 24		
Carpenter Work—Boxing Water Pipes and Build-			
ing new Pump Room.....	291 20		
Storm Doors Fourth St. Hall, also Baker St.....	339 65		
Sundry Other Improvements.....	358 93	\$11,414 66	
Boiler and Furnace Repairs.....	3,276 80		
Insurance (Building and Contents, 3 years).....	1,360 00		
Street Paving Assessments (Resurfacing Fourth St. and Baker			
St. with asphalt).....	490 39		
New Electric Light Plant (Payment on Account of Contract).....	1,274 90	\$36,491 56	
Taxes (Real Estate and Chattels).....		8,581 82	\$82,290 49
<i>Balance December 31, 1904</i>			\$1,974 90

Respectfully submitted,

Examined and approved:

W. W. ALEXANDER, *Treasurer.*

J. GEORGE JUNG,
 GEORGE KOEHLER, } *Finance Committee.*
 A. G. NORMAN,

CHAMBER OF COMMERCE BOND ACCOUNT.			
<i>Chamber of Commerce Bonds (dated January 1, 1888—payable</i>			
<i>January 1, 1908—bearing 4% interest, payable semi-</i>			
<i>annually), total issue</i>			\$150,000 00
<i>Bonds Called and Redeemed (Nos. 1 to 50 inclusive)</i>			\$25,000 00
<i>Balance outstanding December 31, 1904</i>			\$125,000 00

Chamber of Commerce Building, December 31, 1904:

Total Cost to Completion (Lot, Building and Equipment)..... \$772,674 06

REPORT OF THE SECRETARY.

CINCINNATI, January 16, 1905.

SAMUEL BAILEY, JR., *President*

Cincinnati Chamber of Commerce and Merchants' Exchange:

DEAR SIR—The official term of the Board of Directors which assumed its duties January 15, 1904, has come to an end this day, January 16, 1905. The Board has been alive to the consideration of public affairs and measures of varied character; not only those directly concerning the Chamber of Commerce, but questions of a semi-public character, in which the welfare of our locality and business community were involved. It would be inexpedient to incorporate in a general review of this character all of the many transactions of the Board, during its year of activity, but a brief resumé of such matters as may seem to be of general interest and importance is here presented.

The Chamber continued its identity and membership in the National Board of Trade, and was represented by delegates at the Annual Meeting held at Washington, D. C., January 19, 1904. It has also kept up its membership in the Ohio State Board of Commerce, and the Ohio Valley Improvement Association, and sent delegates to the annual meeting of the former at Columbus, and to the latter at Huntington, W. Va., November 16 and 18. The Chamber has continued its representation in the Cincinnati Industrial Bureau and the Receivers' and Shippers' Association, and contributed in 1904 financial support to the former. In addition to the foregoing, the Chamber was represented by delegates to the Maysville Tobacco Fair, February 20; the "Cincinnati Day" celebration at the Louisiana Purchase Exposition, St. Louis, May 24; National Hay Convention, St. Louis, June 14 to 16; Grain Inspectors' National Convention at Milwaukee, June 22 to 24. The Chamber was also represented in the local Business Men's Benevolent Advisory Association.

The financial affairs of the Chamber are reflected by the Treasurer's Report for the year ending December 31, 1904, which shows total revenues of \$63,069.88, compared with \$59,235.79 in 1903, an increase mainly due to advancing revenues from rentals. The net expenditures for the year 1904 are greatly increased over the normal, and show a total of \$74,790.49, as compared with \$60,860.71 in 1903. This increase is largely accounted for by the extraordinary work and improvements in the engine room department, to which reference will be made further along in this report. To carry out the improvements referred to, it became necessary to make loans aggregating \$20,000, which will be taken up out of the revenues for the coming year and paid off as fast as possible. The bonded debt of the Chamber continues at \$125,000—4 per cent bonds, payable January 1, 1908.

The membership of the Chamber January 1, 1905, was composed of 922 Certificate, 5 Non-Certificate and 10 Honorary members, a total of 937, as compared with a total of 963 on January 1, 1904. There were 27 Certificate and 1 Non-Certificate Membership forfeited and dropped December 31, 1904, for the non-payment of annual dues.

Among the numerous resolutions adopted and actions taken by the Board of Directors in 1904, which may be briefly mentioned here, are the following: February 2, Resolutions opposing the passage of bill, in Congress, providing for the Inspection of Grain by the National Government; February 2, the Canal Bill, known as the "Johnson Bill," in the General Assembly, was opposed, and the President authorized to appoint a committee to co-operate with other local bodies in efforts to defeat passage of the bill, which was eventually accomplished; February 8, Resolutions calling for action on the Conflagration which had overtaken the City of Baltimore; February 8, Resolutions deprecating the failure of the Rivers and Harbors Committee of Congress to include in its report certain appropriations for the Improvement of the Ohio River; March 1, Resolutions on the death of Senator Hanna; May 3, Action providing for co-operation with other commercial and municipal authorities in the reception to the Philippine Commissioners on their proposed visit to Cincinnati; March 13, Resolutions requesting local Railroads to provide Stop-over Privileges on traffic to the St. Louis Exposition; September 6, Committee appointed to co-operate with other Committees in consideration of proposed Daylight Switching Ordinance, on Front and Water streets; September 6, Work of the Lake Mohonk Conference on International Arbitration endorsed, and Committee of three appointed to consider propositions of this nature. (Committee—W. N. Hobart, Michael Ryan, and C. B. Murray.) October 4, Resolutions approving plan of a "Grain Judging Contest" at Chicago in December; December 6, Resolutions adopted favoring the ratification of treaties providing for the settlement of International Differences by Arbitration; December 12, Resolutions adopted relating to establishment by the United States Post Office Department of a Pneumatic Tube Service for Cincinnati.

One of the improvements in the utilities of our Exchange, introduced during the past year, was the new telephone system installed on 'Change. The change in the telephone service was made primarily to effect an improvement in a system that was somewhat out of date, to provide long-distance booths for convenient use of members, and additionally to secure a saving of \$400 per year over the cost of the service under the old contract.

During the year just closed, the following new rules were passed by the Board:

April 20: Rule providing for the daily meetings of the Grain Inspection Committee to pass on appeals from the Inspector's grading of grain.

May 13: Rule XI of the Grain Trade Rules was changed, specifying the number of bushels in car loads to arrive, as follows: Wheat, 1,000; Shelled Corn, 1,000; Ear Corn, 800; Oats, 1,500; Rye, 1,000; Barley, 1,000.

August 2: "Egg Quotations," Rule 10, adopted, as appearing in the trade rules.

October 4: Rule governing the issuance of Complimentary tickets of admission to the Exchange, made to include among those eligible, the Consuls or official representatives of foreign governments located in Cincinnati.

December 29: Rule 5 of the Rules for the Regulation of the Daily Sessions of the Exchange, allowing the use of the Exchange Hall by auctioneers under certain conditions, amended and passed in revised form, stipulating in specific and exact language the new terms, conditions and limitations under which the privilege of holding auction sales on 'Change may hereafter be had. The text of the revised rule will be found elsewhere in the annual report.

The revision of the Grain Trade Rules was an important matter taken up by the Board of Directors in September. The Grain Trade Rules, with modifications from time to time, have been in force and effect since April 15, 1883, and in many respects had become inadequate and deficient and inapplicable to the methods now in vogue, in the grain trade. And it was to make the grain rules up to date and to meet the changed conditions that the revision of the rules was undertaken. The Grain Committee, to whom this matter had been referred, submitted, on December 6, 1904, a new and revised set of Grain Rules to take the place of the old ones. These rules were then referred to a Committee of the Board and the Superintendent, for revision and codification. This Committee submitted its report, and on its recommendation the New and Revised Rules were adopted December 20, 1904, to take effect when printed and distributed, about January 1, 1905. Upon the introduction of these rules some objections of a minor character were made by the grain trade, and their enforcement was postponed until further consideration by the incoming Board of Directors.

In the management of the Building Department the Board was confronted early in the year with the extraordinary conditions which had arisen in the engine room equipment, and which involved the stability of the entire plant—boilers, engines, dynamo and elevator pump. From the constant use of this machinery since the building was constructed, and under the strain which the increasing demands in the way of light and power which had been made upon it, the plant began to show marked signs of wear and tear, and finally became inadequate to meet the requirements, and in January, 1904, the electric plant was shut down. An expert consulting engineer was employed to make an extensive and complete examination of the entire plant, and his report fully justified the action in shutting down, and called for immediate and extensive repairs and renovation in all departments. The boilers were retubed, and the furnaces thoroughly overhauled and rebuilt at a total cost of \$3,276.30. Another urgent necessity was a new elevator pump. This was contracted for at a net cost, deducting allowance for old pump, of \$3,906.58. Incident to the installation of the pump, the necessary piping work for new steam and water connections cost the Chamber an aggregate of \$3,463.76. Besides these expenses it became necessary under our lease obligations to the Business Men's Club, and other tenants of the building, to furnish electric light, and to do this during the temporary disablement of our plant the Board contracted with the Cincinnati Gas & Electric Co. for electric current for one year from February 1, 1904. Under this contract the Chamber paid during the remainder of 1904 the sum of \$6,417.16. From the expert's report on the plant, and from its apparent condition, there seemed to be a practical necessity, if the Chamber was to continue to provide its own electrical current, to install a new electrical plant, engine and generators of ample power and capacity to carry the entire building, and with reserve for increased hours of service. This was finally

agreed upon by the Board, and contracts entered into for a new engine and two generators, feed water heater, switchboard and foundation. The work of installing the new plant began in November, 1904, and it is expected to be completed and in operation by February 1, 1905. The cost of the new plant, with incidentals and appurtenances, will approach, according to revised estimates, to about \$8,500.

The foregoing comprise some of the extraordinary expenditures in the Building Department which the Board has been compelled to meet during the year 1904. Other large and unusual expenses were: Insurance on building, etc. (three years), \$1,360; Street paving assessment (resurfacing with asphalt Fourth and Baker streets) \$490.49; Strengthening floor of the Fifth National Bank to carry new vaults, including architect's fees, \$1,887.15; Rewiring and improvements in wiring system of building, required by the Insurance Inspection Bureau, \$775.65; Fire extinguishers, \$157.50; Pipe covering, \$234.24; Boxing water pipes in attic and carpenter work in pump room, \$291.20; New storm door system in Fourth and Baker street corridors, \$339.65.

Among the last official acts of the Board was the unanimous election, on December 29, 1904, of the Hon. WILLIAM H. TAFT, to Honorary Life Membership in the Chamber of Commerce. Mr. TAFT, a native of Cincinnati, who received his early education in this city, who has been honored with judicial office and appointment in municipal as well as in the National courts of justice, the first Governor of the Philippine Islands, and now occupying a prominent position in the Councils of the Nation, it seemed eminently fitting that the Chamber of Commerce should recognize the public services of our able and distinguished fellow-citizen by conferring upon him the greatest mark of honor and respect within our power. In the election of Mr. TAFT to Honorary Membership, both the spirit and the letter of our By-laws has been abundantly fulfilled, and the Chamber has honored itself as well as the recipient.

The case before the Interstate Commerce Commission, known as the Cincinnati Chamber of Commerce and Merchants' Exchange *versus* The B. & O. S-W. Railroad and others, relating to the early closing of freight depots, which has been pending before the Commission for more than a year past, has been finally decided. In October, 1904, the Commission handed down a decision in this case, supporting, in a general way, the justice of the complaint, which is worthy of relief by the defendant railroads, but finding that the existing disadvantage to Cincinnati shippers by reason of the early closing is not unreasonable or undue, and dismissing the complaint without prejudice to any further proceeding. It will rest with parties interested to decide upon further action.

The records of the Association in general session embrace actions and incidents briefly referred to as follows:

February 5: Resolutions adopted protesting and opposing the passage of the "Grosvenor Bill" pending in Congress, which seeks to secure to trades unions an immunity from restraining orders or injunction proceedings of courts.

February 8: Resolutions extending sympathy and relief to sufferers from the Baltimore Conflagration.

February 16: Appropriate action on the death of Senator Hanna.

March 25: A citizen's meeting was held in the Exchange Hall to take action upon the proposed improvements and betterments of the Cincinnati Fire Department. The meeting endorsed the recommendations made by the Fire Marshal to the Board of Public Safety.

During the year ending December 31, 1904, the following members of the Chamber of Commerce have been taken away by death:

JAMES HEekin,
DAVID A. WHITE,
T. S. GOODMAN,
J. F. HEITMEYER,
W. A. GOODMAN,
ROBERT ALLISON,

JOHN BEGGS,
HENRY STRAUS,
JAMES LOWMAN,
JACOB VOGEL, SR.,
ALEXANDER MONTGOMERY,
O. B. FARRELLY,

M. S. FORBUS,
O. H. TUDOR,
SAM. W. WEIDLER,
JACOB SCHEUER,
HENRY IMMENHORT.

Respectfully submitted,

JOSEPH D. MORTEN,

Secretary.

REPORT OF THE SUPERINTENDENT.

CINCINNATI CHAMBER OF COMMERCE, }
May, 1905. }

THE PRESIDENT AND BOARD OF DIRECTORS:

GENTLEMEN—The By-laws of the Chamber of Commerce call for an annual report of the trade and commerce of the city. I have accordingly prepared a detailed report, covering leading departments, for the calendar year 1904, which in its completed form is now submitted. This is the Fifty-sixth Annual Report of this Association, and the fourteenth prepared by myself. Under the policy adopted by the Board of Directors last year, the Annual Report was largely curtailed in the scope of its statistics previously embodied in the work, and this plan has been continued this year.

The Chamber of Commerce in its work of securing and making available the evidences of traffic and industry for this locality is not governed by the limitations of the city corporation lines. All that legitimately belongs to this centralization of industrial affairs is taken into the account of local operations. Attention has been given in recent years to the manufacturing interests of the locality, and while the returns are not as near completeness as might be desired they have been of sufficient extent to afford a good basis for general conclusions. A large proportion of the more important establishments have furnished information asked for. An interesting feature of such investigation has been the ability to ascertain and to state with a degree of much fullness what our factories are furnishing and can furnish for exportation to foreign countries.

Copies of this report are available to members of the Association, and will be furnished to others desirous of being possessed of the information which it presents, upon application.

Respectfully,

CHARLES B. MURRAY,
Superintendent and Executive Secretary.

THE COMMERCE AND INDUSTRY OF CINCINNATI.

The records and investigations of the Chamber of Commerce for the year 1904 reflect a generally satisfactory condition of business and industrial affairs, with evidences of increased extent of activity in various important lines. The locality is being favored with betterment and enlargement of facilities incident to railway transportation matters, and the needful improvement of the navigable condition of the Ohio River has received more commanding attention. Building operations for both business and residence purposes were notably active the past year. In these and in other features this community has maintained a position of progress and of betterment in keeping with the prevailing conditions of the times.

Grain receipts at Cincinnati in 1904, exclusive of through movement, were in excess of any previous year, making a gain of 17 per cent over 1903, and of 36½ per cent over the annual average for five years prior to 1904.

Flour traffic was about the same as for the preceding year, but less than for some earlier years. Flour manufacture locally was considerably reduced, incident to deficiency in supplies of wheat and high prices.

Hog product was more largely manufactured, showing a gain of 14 per cent over the preceding year and of 9 per cent over the annual average for five years.

Live stock receipts were 5½ per cent in excess of 1903, and of 12 per cent in comparison with the annual average for five years.

Hay traffic was slightly increased, but fell short of some earlier years, being less than the annual average for five years.

Clover and timothy seed business was about the same as for the preceding year, while there was considerable reduction in other grass seeds in comparison with the unusual record for 1903.

Butter receipts were considerably increased but were short of some earlier years. Cheese trade was considerably increased. Eggs were received in excess of 1903, showing a gain of 11½ per cent, but not equal to the annual average for five years.

Apples were received in exceptional quantity, gaining 7 per cent over 1903 and 36 per cent over the annual average for five years.

Potatoes were about the same in quantity of receipts as for 1903, but considerably short of the annual average for five years.

Groceries indicate a gain of about 5 per cent in aggregate sales, and of $16\frac{1}{2}$ per cent in comparison with the annual average for five years.

Dry goods transactions were about the same in aggregate sales as for 1903, indicating a gain of 9 per cent over the annual average for five years.

Shoe manufacturing was maintained but there was not much gain indicated for this important local industry.

Clothing manufacture was moderately enlarged, the aggregate sales in this line gaining 5 per cent over 1903.

Pig iron sales by local dealers were $15\frac{1}{2}$ per cent greater than for 1903 in value of product represented, and $11\frac{1}{2}$ per cent over the annual average for five years.

Coal receipts were larger than for any previous year, gaining over 5 per cent in comparison with the high record for 1903, and about 27 per cent over the annual average for five years. The year's gain was in arrivals by railroads.

Distilled spirits were about the same as for the preceding year in quantity locally produced.

Malt liquors were produced in excess of the high record for 1903, the gain being $5\frac{3}{4}$ per cent, and in comparison with the annual average for five years the increase was nearly 20 per cent.

Leaf tobacco sales at the auction warehouses were largely reduced, due in great degree to action by producers in effecting sales direct to consumers.

Lumber receipts were reduced to a small extent, and were moderately below the average for five years.

Soap production was considerably increased, the output being of very large proportions. Shipments were 5 per cent greater than for 1903.

Vehicles were manufactured of value representing 12 per cent gain over 1903, and of 10 per cent over the annual average for five years.

Bank clearings were increased 6 per cent in comparison with 1903, and were 29 per cent greater than the annual average for five years.

The value of manufactures in 1904 is estimated at \$320,000,000 for Cincinnati and immediate vicinity representing a component part of this commercial and industrial center. There were important gains in some lines, and more or less of reduction in a few, while in the aggregate there was a moderate increase.

Population figures for Cincinnati and the belongings of this city adjacent to the limits of corporation lines indicate a total in excess of 550,000.

General totals in some of the prominent lines and interests represented by the business and industrial activities at Cincinnati are indicated in the following, for

1904: Bank clearings, \$1,222,815,000. Aggregate value of output of local manufacturing establishments, \$320,000,000. Value of shoes locally manufactured, \$17,000,000. Value of clothing manufactured, \$19,000,000. Value of soap manufactured, \$18,500,000. Value of vehicles manufactured, \$9,500,000. Value of furniture and office equipments manufactured, \$8,500,000. Value of machinery, machine tools, etc., manufactured, \$15,000,000. Value of meats and kindred products manufactured, \$15,000,000. Coal receipts, 118,000,000 bushels. Grain receipts, exclusive of through movement, 18,097,000 bushels. Pig iron sales by local houses and branches, 1,801,000 tons. Beer produced, 1,623,000 barrels, or 50,000,000 gallons. Spirits distilled, 11,291,000 gallons. Soap made, 275,000,000 pounds. Railroad freights, in and out, 20,000,000 tons.

A detailed exhibit is herewith presented in comprehensive form, representing annual average prices of standard grades of the products mentioned, in this market, according to records of the Chamber of Commerce, for the past eleven years:

ARTICLES.	1904	1903	1902	1901	1900	1899	1898	1897	1896	1895	1894
Flour, spring family.....	4.40	8.50	3.05	2.99	3.11	3.08	8.90	8.72	2.89	2.79	2.47
Flour, winter family.....	4.15	8.15	3.00	2.64	2.96	2.55	8.43	8.55	2.90	2.72	2.10
Wheat.....	1.08	81	80	77	75	72	86	89	72	66	54
Corn.....	51	47	61	52	41	36	34	26	27	41	45
Oats.....	38	37	41	34	25	27	27	21	20	27	35
Mess Pork.....	12.80	15.15	17.25	14.99	11.86	9.18	9.78	8.34	8.04	10.65	12.98
Hams, sugar-cured.....	12.05	13.40	12.05	11.07	11.04	9.75	8.78	9.91	10.29	9.96	10.60
D. S. Short Rib Sides.....	7.10	8.60	9.80	8.07	6.89	5.01	5.87	4.76	4.19	5.62	6.79
Lard.....	6.65	8.10	9.90	8.38	6.51	5.04	5.06	4.02	4.29	6.24	7.25
Butter, creamery.....	20.70	20.95	21.83	19.36	19.90	18.60	16.46	15.45	14.50	17.13	18.92
Butter, dairy.....	11.40	13.65	15.52	11.97	13.49	12.56	11.03	9.65	8.60	10.54	12.88
Cheese, factory.....	9.40	11.40	11.60	10.28	10.98	10.66	8.68	9.05	8.85	9.00	9.75
Eggs.....	19.60	17.80	18.00	14.98	13.43	13.55	12.14	10.79	10.75	13.79	12.41
Sugar, hards.....	5.80	5.53	5.22	5.82	6.15	5.57	5.74	5.29	4.73	5.03	5.06
Molasses, New Orleans.....	32.66	32.62	33.46	34.25	38.46	32.00	31.82	26.18	31.86	28.97	32.11
Rice, Louisiana.....	6.10	6.30	5.86	5.86	5.75	5.97	6.03	5.24	4.12	4.31	4.98
Coffee, Rio.....	9.60	7.65	8.30	8.82	10.75	9.67	9.74	15.02	18.59	20.52	20.76
Dried Peaches.....	7.85	7.00	8.36	8.18	8.85	10.22	8.05	7.13	6.25	7.40	5.65
Dried Apples.....	4.45	4.50	4.20	3.31	3.44	4.81	4.31	2.64	2.25	4.52	5.55
Green Apples.....	2.30	2.40	2.90	2.73	2.54	2.59	2.76	1.97	1.80	2.02	3.30
Potatoes.....	78	59	62	62	43	49	57	48	28	49	66
Beans.....	2.05	2.25	2.45	2.60	2.31	1.35	1.21	93	1.10	1.85	1.79
Cattle.....	3.40	3.50	4.10	3.78	4.00	3.85	3.70	3.54	3.40	3.85	3.35
Sheep.....	3.70	3.80	3.80	3.34	3.72	3.77	3.87	3.78	3.15	3.30	3.10
Hogs.....	5.25	6.05	6.80	5.95	5.10	4.05	3.84	3.32	3.50	4.35	5.10
Leather.....	30.10	28.10	30.50	30.14	29.11	27.27	25.96	25.92	23.96	26.60	22.44
Hides.....	8.25	7.00	7.70	7.63	7.99	8.57	8.71	7.73	5.52	6.02	8.66
Wool.....	30.00	25.50	23.50	23.35	25.64	21.85	24.95	24.45	17.81	18.53	19.60
Cotton.....	11.60	10.95	8.65	8.38	9.33	6.30	5.69	6.96	7.57	7.04	6.98
Leaf Tobacco.....	10.05	8.35	8.10	7.90	8.52	7.95	9.10	8.05	6.95	9.40	10.05
Pig Iron.....	14.50	19.00	21.50	15.00	18.50	18.00	11.50	11.50	12.50	12.85	11.60
Coal, delivered.....	11.50	18.18	11.75	10.50	10.91	9.50	8.05	8.10	8.40	9.00	9.11
Lead.....	4.50	6.45	4.10	4.07	4.20	4.46	8.77	3.55	2.81	3.12	3.07
Nails.....	1.92	2.30	2.50	2.30	2.54	2.04	1.48	1.69	2.38	1.63	1.20
Illuminating Oil.....	10.70	10.85	8.23	8.23	9.02	7.87	6.86	6.75	7.80	7.87	6.25
Lard Oil.....	61	73	78	65	54	43	45	38	46	55	64
Linseed Oil.....	41	41	59	63	63	44	39	32	35	51	50
Candles.....	9.23	9.96	9.50	9.52	8.17	6.98	6.72	6.57	7.44	8.04	8.31
Turpentine.....	60.50	59.15	49.84	38.24	49.48	48.69	34.61	29.32	29.35	32.30	33.21
Hay.....	13.00	15.40	13.35	13.60	13.95	10.10	8.67	9.80	12.20	12.70	10.95

NOTE.—Flour, Pork and Green Apples, dollars per barrel; Wheat, Corn, Oats, Potatoes, Beans and Coal, cents per bushel; Hams, Sides, Lard, Butter, Cheese, Sugar, Rice, Coffee, Dried Peaches, Dried Apples, Leather, Hides, Wool, Cotton, Tobacco, Lead and Candles, cents per pound; Cattle, Sheep and Hogs, dollars per 100 pounds; Molasses, Oils and Turpentine, cents per gallon; Pig Iron and Hay, dollars per ton; Eggs, cents per dozen; Nails, dollars per keg. Prices of Leaf Tobacco and some other articles represent the general average.

GRAIN.

The aggregate receipts of Grain at Cincinnati in 1904 for local business considerably exceeded the record of the preceding year, which had not been previously equaled. Exclusive of arrivals of Grain moving in transit the total receipts for the year were 18,097,000 bushels, compared with 15,431,000 for 1903, and an annual average of 13,256,000 for five years prior to 1904, the past year showing a gain of 36½ per cent over this annual average. The total shipments other than of transit movement represented 10,081,000 bushels, compared with 8,513,000 the preceding year, and an annual average of 5,636,000 for five years prior to 1904. The transit movement represented 4,550,000 bushels of Grain for the year, compared with 5,150,000 for 1903, 6,187,000 for 1902, and 12,515,000 for 1901.

The following compilation shows the aggregate annual receipts of Grain at Cincinnati for six years, including transit movement, representing bushels:

KINDS.	1904	1903	1902	1901	1900	1899
Wheat.....	2,124,447	2,830,463	4,988,822	4,111,548	2,961,211	1,856,890
Corn.....	12,848,217	10,458,465	7,820,048	11,783,145	14,605,978	6,853,790
Oats.....	6,084,074	5,890,504	5,888,009	9,260,765	7,392,957	3,750,416
Rye.....	601,923	520,695	528,024	612,206	442,215	433,278
Barley.....	1,088,986	886,755	817,909	1,094,427	1,178,742	1,038,010
Total.....	22,647,597	20,581,882	20,032,812	26,862,091	26,576,096	13,426,879

Prices of No. 2 Red Wheat in this market in 1904 ranged at 92½@125 cents per bushel, averaging 108 cents, against 81 cents for 1903, and an annual average of 77 cents for five years prior to 1904. This market consumes locally a moderate amount of Wheat, the mills in the city and near by taking about 1,150,000 bushels during the year, of which about 550,000 represents mill arrivals not appearing in the local receipts. The milling industry was largely curtailed by the scarcity and high prices of wheat.

Prices of No. 2 Corn ranged at 45½@59 cents per bushel, averaging 51 cents, against 47 cents for 1903, and an annual average of 47 cents for five years prior to 1904.

Prices of No. 2 Oats ranged at 31@44½ cents per bushel, averaging 38 cents, against 37 cents for 1903, and an annual average of 33 cents for five years.

Prices of No. 2 Rye ranged at 61@87 cents per bushel, averaging 77 cents, against 58 cents for 1903, and an annual average of 59 cents for five years.

Extra No. 3 Spring Barley quotations ranged at about 62@69 cents per bushel for the period of trade in this grain until the new crop began to move, the prices of which ranged at about 55@60 cents, September to the close of the year. The average price for the year was 62 cents, compared with 62 cents for 1903, and an annual average of 59 cents for five years prior to 1904.

The Grain crops of the United States in 1904 as estimated by the Department of Agriculture were as follows, in bushels: Wheat, 552,400,000; Corn, 2,467,481,000; Oats, 894,595,000; Barley, 139,749,000; Rye, 27,235,000; Buckwheat, 15,008,000—total, 4,096,468,000 bushels, which was equaled previously only in the instance

of 1902, the annual average for five years prior to 1904 being 3,685,000,000 bushels, the past year exceeding the annual average more than 11 per cent.

The Wheat crop of the world is estimated as follows, in bushels: 1904, 3,162,000,000; 1903, 3,230,000,000; 1902, 3,148,000,000; 1901, 2,945,000; 1900, 2,640,000,000—annual average for the five years, 3,025,000,000 bushels.

FLOUR.

Flour receipts were slightly short of the preceding year, which was much below some previous years. The records indicate a total of 1,524,725 barrels received for the year, compared with 1,553,704 for 1903, and an annual average of 2,342,000 for five years prior to 1904. Shipments were 1,038,986 barrels, compared with 1,102,959 for 1903, and an annual average of 1,900,000 for five years prior to 1904. The indicated local consumption of Flour for the year from arrivals was about 485,000 barrels, which compares with an annual average of 442,000 for five years previously.

The manufacture of Flour locally was largely reduced, under the deficiency in supplies of wheat in near territory and high prices which prevailed for this grain. The reported total manufacture was 252,615 barrels, compared with 431,067 for the preceding year, and 416,300 for 1902.

Stocks of Flour held by receivers and large dealers on January 1, 1905, were 47,522 barrels, compared with 48,828 at corresponding date in 1904, and an annual average of 45,700 for five years prior to 1905.

Winter Family Flour ranged at \$3.30@3.65 early in January, the tendency being toward a higher position, reaching \$4.10@4.35 in March. There was subsequently some loss of this advance, with the range at \$3.75@4.00 in July. Later higher prices prevailed, with \$4.45@4.70 the range in October and November, and \$4.25@4.60 in December. The general average for the year for this grade of Flour was \$4.15 per barrel, compared with \$3.15 for 1903, and \$2.86 for five years prior to 1904.

Spring Family Flour ranged at \$3.75@3.90 to \$4.95@5.10, with \$4.70@4.90 the position in December, averaging \$4.40 for the year, compared with \$3.50 for the preceding year, and \$3.13 for the five years prior to 1904.

Statistical details appear on other pages.

MILL FEED PRODUCTS.

There was a moderate gain in receipts of Mill Feed Products compared with the preceding year, but the total was not as large as in some earlier instances. Total receipts 43,041 tons, compared with 38,062 for the preceding year, and an annual average of 50,800 tons for five years prior to 1904. Shipments were 39,288 tons, against 35,508 for 1903.

Prices were higher than for the preceding year, general averages comparing as follows: Bran, \$18.65 per ton, against \$17.00 for 1903; Coarse Middlings, \$19.60 per ton, against \$18.00 for 1903; Fine Middlings, \$21.20 per ton, against \$19.00 for 1903.

Statistical details appear on other pages.

LIVE STOCK.

The aggregate receipts of Live Stock in this market in 1904 were 1,751,954 animals, compared with 1,659,179 in 1903, and an annual average of 1,565,700 for five years prior to 1904. The total number for the past year represented an increase of $5\frac{1}{2}$ per cent over the preceding year and an increase of nearly 12 per cent over the annual average.

Receipts of Hogs were 986,858, shipments 333,207, against 887,816 received and 315,571 shipped in 1903. The highest price realized during the year was \$6.25 per 100 pounds, in September, which month also represented the highest monthly average of good packing grades, which was \$5.90, the lowest monthly average being \$4.55, for December, the general average for the year indicating \$5.25, compared with \$6.05 for 1903, \$6.80 for 1902, \$5.90 for 1901, \$5.10 for 1900, and \$4.05 for 1899. These figures represent the yearly averages covering a period of five years prior to 1904—previous to which period lower prices prevailed, the average for 1898 being \$3.75; for 1897, \$3.70; for 1896, \$3.50. For each year after 1896 there was an advance, to and including 1902, when the average was nearly double what it was for 1896. The past two years reflect a declining tendency from the high position previously reached.

The course of prices of Hogs at Cincinnati is indicated in the following compilation, showing the highest points reached monthly, and the average prices of good packing grades, per 100 pounds, for five years:

MONTHS.	Top Prices.					Average Prices.				
	1904	1903	1902	1901	1900	1904	1903	1902	1901	1900
January.....	\$5 30	\$7 00	\$6 60	\$5 40	\$4 90	\$5 05	\$6 55	\$6 20	\$5 20	\$4 60
February.....	5 90	7 35	6 50	5 75	5 10	5 35	7 00	6 30	5 40	4 95
March.....	6 00	7 80	7 00	6 15	5 40	5 65	7 40	6 50	5 80	5 05
April.....	5 55	7 50	7 35	6 30	5 90	5 20	7 15	7 00	5 95	5 50
May.....	5 05	7 00	7 35	6 00	5 50	4 85	6 25	6 90	5 70	5 25
June.....	5 60	6 30	7 85	6 25	5 50	5 10	5 95	7 10	5 90	5 20
July.....	6 00	6 15	8 00	6 25	5 60	5 60	5 55	7 65	6 00	5 35
August.....	5 90	6 20	7 90	6 65	5 55	5 50	5 65	7 15	6 00	5 30
September.....	6 25	6 40	7 90	7 25	5 65	5 90	6 15	7 40	6 90	5 45
October.....	5 60	6 25	7 75	7 10	5 40	5 50	5 70	6 95	6 20	4 90
November.....	5 25	5 37	6 70	6 15	5 05	4 85	4 85	6 25	5 60	4 80
December.....	4 95	5 00	6 65	6 65	5 15	4 55	4 60	6 30	6 00	4 85

Receipts of Cattle for the year were 260,778, shipments 96,594, against 259,383 received and 114,968 shipped in 1903. Prices were well maintained early in the year, and in fact made a fair advance, the higher position being in May, June and July, after which there was a tendency to lower values. The year's general average for fair to good butcher stock was \$3.40 per 100 pounds, compared with \$3.50 for 1903, and an annual average of \$3.85 for five years prior to 1904.

Receipts of Sheep for the year were 504,318, shipments 378,436, against 511,990 received and 379,430 shipped in 1903. The average price of good mutton stock was \$3.70 per 100 pounds, compared with \$3.80 for 1903, and an annual average of \$3.70 for five years prior to 1904.

The total value of Live Stock received at Cincinnati in 1904 was approximately \$18,900,000, compared with \$20,500,000 in 1903, and \$20,400,000 for 1902.

The average weight of Hogs weighed in 1904 at the Cincinnati Union Stock-yards was 181.52 pounds; of Cattle, 883.88; of Sheep, 77.38. For ten years prior to 1904 the annual averages were as follows: Hogs, 187; Cattle, 886; Sheep, 79 pounds.

Considerable business is done here in slaughtering Cattle and Sheep for the dressed meat trade, this product finding sale largely in Eastern markets, where the Cincinnati product has secured favor in competition with that from other markets.

The number of farm animals in the United States on January 1, 1905, as estimated by the Department of Agriculture, was as follows: Milch cows, 17,572,464; other cattle, 43,669,443; total cattle, 61,241,907; sheep, 45,170,423; swine, 47,320,511—total, 153,732,841, compared with 159,688,826 for 1904, and 172,651,933 for 1903.

Statistical details appear on other pages.

PROVISIONS.

Prices of Hogs and Hog Products were generally lower than for the preceding year, the Western slaughtering showing considerable increase, and being in excess of previous annual records with but one exception. The local manufacture of product was increased 14 per cent in comparison with the preceding year, and was 9 per cent in excess of the annual average for five years prior to 1904.

The receipts of Hogs at Cincinnati in 1904, exclusive of through movement, were 986,800, against 887,800 for 1903; shipments were 333,200, against 315,600 for 1903. The net supply for local purposes was 653,000, compared with 572,000 for 1903.

The general average cost of Hogs for good packing grades was \$5.25 per 100 pounds, compared with \$6.05 for 1903, \$6.80 for 1902, \$5.95 for 1901, \$5.10 for 1900, \$4.05 for 1899.

For the year 1904, average prices of Hog Product at Cincinnati were as follows: Dry Salted Short Rib Sides, \$7.10 per 100 pounds; Dry Salted Shoulders, \$6.50 per 100 pounds; Sugar-cured Hams, \$12.05 per 100 pounds; Prime Steam Lard, in tierces, \$6.65 per 100 pounds. For the preceding year the average prices were as follows: Dry Salted Short Rib Sides, \$8.60; Dry Salted Shoulders, \$7.35; Sugar-cured Hams, \$13.40; Prime Steam Lard, \$8.10.

The following compilation shows the range and average prices of the various articles of Hog Product in this market for 1904; also the average prices for 1903, and for ten years, ending with 1904, with the lowest yearly and highest yearly averages within the period of ten years:

ARTICLES.	Range, 1904.	Average, 1904.	Average, 1903.	Average, 10 Years.	Lowest Average, 10 Years.	Highest Average, 10 Years.
Meas Pork.....	\$11.25@16.00	\$12 80	\$15 15	\$11 80	\$8 04	\$17 25
D. S. Short Rib Sides.....	6.25@ 8.12	7 10	8 60	6 55	4 19	9 80
D. S. Shoulders.....	5.25@ 7.50	6 50	7 35	5 75	4 09	7 75
Bacon, S. R. Sides.....	6.87@ 8.87	7 85	9 40	7 15	4 61	10 60
Bacon, S. C. Sides.....	7.12@ 9.12	8 10	9 60	7 40	4 84	10 80
Sugar-cured Hams.....	11.00@13.00	12 05	13 40	10 80	8 73	13 40
Lard, prime steam.....	5.85@ 7.55	6 65	8 10	6 40	4 02	9 90

The lowest annual average prices within the period of ten years were in 1898 for Hams, in 1897 for Lard, and in 1896 for other articles. The highest averages were for the year 1902, excepting for Hams, which were higher in 1903.

Comparisons of the annual commercial supplies of Hogs are shown in the following compilation by the *Cincinnati Price Current*, exhibiting the number of Hogs packed in the West and the East, with receipts at New York, Philadelphia and Baltimore, for years ending March 1:

LOCALITIES.	1904-05	1903-04	1902-03	1901-02	1900-01	1899-1900	1898-99
Packed in the West.....	23,918,000	22,375,000	20,605,000	25,411,000	23,601,000	22,201,000	23,651,000
Packed at Boston.....	1,302,000	1,252,000	1,450,000	1,406,000	1,370,000	1,647,000	1,739,000
Other New England packing..	613,000	638,000	625,000	720,000	736,000	826,000	798,000
Packed at Buffalo.....	623,000	541,000	455,000	332,000	348,000	361,000	447,000
Other Eastern packing.....	420,000	355,000	270,000	291,000	310,000	258,000	185,000
Receipts—New York, Phila- delphia and Baltimore..... }	2,815,000	2,461,000	1,840,000	2,285,000	2,620,000	2,879,000	2,978,000
Totals.....	29,691,000	27,617,000	25,245,000	30,385,000	28,980,000	28,172,000	29,798,000

Additional pork packing exhibits appear on other pages, as well as much of statistical details relating to the provision trade.

HAY.

Receipts of Hay in this market in 1904 were 110,371 bales, compared with 108,091 for 1903, and an annual average of 121,000 for five years prior to 1904. Shipments were 55,961 bales, compared with 60,472 for the preceding year, and an annual average of 64,000 for five years.

Lower prices prevailed for Hay than in the preceding year, and the general average was the lowest since 1899. No. 1 Timothy Hay sold at \$12.75@13.25 per ton early in the year, and reached \$15.00@15.50 in May. The tendency later was to a lower position, with a decline to \$11.00@11.50 in September, from which there was some improvement later, the year closing at \$12.00@12.50. The general average price for the year was \$13.00 per ton, compared with \$15.40 for the preceding year, and an annual average of \$13.30 for five years prior to 1904.

The Hay crop of the United States as estimated by the Department of Agriculture was 60,696,000 tons in 1904, compared with 61,306,000 for 1903, and an annual average of 55,700,000 for five years prior to 1904.

Statistical details appear on other pages.

GROCERIES.

Returns to the Chamber of Commerce from a large proportion of the local trade in the line of Groceries indicates an average gain of about 5 per cent in the amount of sales. This applied to the previously estimated total makes an aggregate of \$25,750,000 as the approximate value of local sales of Groceries for the year, compared with \$24,500,000 for the preceding year, and an annual average of \$22,100,000 for five years prior to 1904. Prices of staple articles averaged higher than in the preceding year, Coffee showing an advance of about 25 per cent, and Sugar about 6 per cent. The indicated local consumption of Coffee was consid-

erably less than for the preceding year, in quantity, but Sugar was moderately increased in consumption.

Receipts of Coffee were 296,002 bags, shipments 238,144 bags, compared with 264,696 bags received and 180,148 bags shipped in 1903. For five years prior to 1904 the average annual receipts were 279,000 bags. The advanced position in prices of Coffee at the close of the preceding year was maintained in 1904. Fair Rio Coffee prices ranged at 9@11 cents per pound for the first three months of the year, 9@9½ cents the second three months, 9@10 cents the third three months, and 10 cents most of the remainder of the year, the latter part of December advancing to 10½@10¾ cents. The year's average price for Fair Rio was 9.60 cents per pound, compared with 7.65 for 1903, and an annual average of 9.11 cents for five years prior to 1904.

Receipts of Sugar were 284,520 barrels, shipments 112,205 barrels, against 263,780 barrels received and 101,997 barrels shipped in 1903. For five years prior to 1904 the average annual receipts were 300,800 barrels. Prices for Hards were moderately upward from time to time during the year, making an advance from 4.98@5.58 cents per pound as the position at the opening of the year to 6.08@6.78 cents at the close—the general average for the year indicating 5.80 cents, compared with 5.53 the preceding year, and an annual average of 5.66 cents for five years prior to 1904.

Receipts of Rice were 62,094 barrels, shipments 36,198 barrels, against 47,426 barrels received and 31,665 barrels shipped in 1903. For five years prior to 1904 the average annual receipts were 68,900 barrels. The average of prices was moderately lower than for the preceding year, Fancy Head indicating a general average of 6.10 cents per pound, compared with 6.30 cents for 1903, and an annual average of 5.95 cents for five years prior to 1904.

Statistical details appear on other pages.

GRASS SEEDS.

In comparison with the preceding year there was not much change in quantities of Clover and Timothy Seed received, but considerable decline in the high record for other Grass Seeds. For Clover Seed the receipts were 29,278 bags, compared with 31,127 for 1903, and an annual average of 37,700 bags for five years prior to 1904. For Timothy Seed the receipts were 66,787 bags, compared with 69,943 for 1903, and an annual average of 66,000 bags. For Other Grass Seeds the receipts were 84,839 bags, compared with 119,745 for 1903, and an annual average of 92,100 bags.

Clover Seed for lots on arrival was quoted at \$5.75@6.00 per bushel at the opening of the year, gaining about 50 cents per bushel later, and declining to \$4.80@5.00 at the close of the seeding season. For the new crop season, \$6.00@6.50 early, with \$5.50@6.50 the prevailing range later, but toward the close of the year there was an advance to \$6.50@7.50 per bushel. The year's average was \$5.85, compared with \$5.80 for 1903, and an annual average of \$4.80 for five years prior to 1904.

Timothy Seed was without much change in range of prices during the year, with \$1.20@1.35 the prevailing position for the seeding season of the early portion

of the year, and \$1.25@1.35 and \$1.15@1.30 in the latter part of the year, the average being \$1.25 per bushel, compared with \$1.45 the preceding year, and an annual average of \$1.65 for five years.

The calendar year represents the latter part of one season's operations in Seeds, and the earlier part of another, so that it is not in strict agreement with what may be termed the crop year.

Statistical details appear on other pages.

POTATOES.

Receipts of Potatoes in 1904 were 1,809,011 bushels, shipments 646,168 bushels, against 1,808,044 bushels received and 746,450 bushels shipped in 1903. For five years prior to the past year the average annual receipts were 2,216,000 bushels, and shipments 988,000 bushels. Prices were high early in the year, and during the period until new crop product became abundant. In August 50@60 cents per bushel for lots on arrival was about the position, and 45@55 cents in September, 40@50 cents in October, 45@48 cents in November, and 40@43 cents in December. The year's average was 78 cents per bushel, compared with 59 cents for 1903, and an annual average of 55 cents for five years prior to 1904.

Statistical details appear on other pages.

DRIED FRUIT.

Receipts of Dried Fruit were larger than for the preceding year but short of some earlier years. The total was 3,566,722 pounds, compared with 3,095,432 pounds for 1903, and an annual average of 4,149,000 pounds for five years prior to 1904. Shipments were 1,726,399 pounds, against 1,147,407 in 1903, and an annual average of 2,544,000 pounds for five years.

For California Dried Peaches the year's average price was 7.85 cents per pound, against 7 cents for 1903, and an annual average of 8.52 for five years prior to 1904. For Dried Apples the average was 4.45 cents per pound, against 4.50 for 1903, and an annual average of 4.05 for five years prior to 1904.

GREEN FRUIT.

Receipts of Apples in 1904 were in excess of the unusually high record of the preceding year. The total was 416,991 barrels, compared with 390,203 for 1903, and an annual average of 306,000 for five years prior to 1904. Shipments were 203,045 barrels, against 204,730 for 1903, and an annual average of 145,000 barrels for five years. Prices early in the year were \$2.75@3.00 and \$3.00@3.50 for choice fruit, receding in March to \$2.00@2.50, which represented the prevailing quotations toward the ending of the season for the 1903 crop. For new crop fruit prices were generally rather low, about \$1.50@2.00 per barrel in August, \$1.25@1.75 in September and October, \$2.25@2.50 after the early part of November. The average for the year was \$2.30 per barrel, compared with \$2.40 for 1903, and an annual average of \$2.63 for five years prior to 1904.

Receipts of other Green Fruit, including Peaches, Pears, Cherries, Plums, and

Berries, were 31,021 tons, compared with 20,224 for 1903, and an annual average of 17,200 for five years prior to 1904.

Receipts of Oranges and Lemons were fairly liberal. Prices of Oranges averaged \$2.65 per box, against \$2.75 for 1903, and \$3.35 for 1902. Prices of Lemons averaged \$2.75 per box, against \$2.40 for 1903, and \$3.00 for 1902.

Statistical details appear on other pages.

BUTTER AND BUTTERINE.

Receipts of Butter were considerably increased in comparison with the preceding year but were short of earlier years, the total representing 146,598 tubs, shipments 47,322, against 120,800 received and 45,291 shipped in 1903. For five years prior to 1904 the average annual receipts were 193,000 tubs.

Prices of Creamery Butter were $19\frac{1}{2}$ @ $22\frac{1}{2}$ cents per pound in January, 23 @ 24 cents in February, 22 @ 23 cents in March, subsequently declining until 17 @ $18\frac{1}{2}$ cents was reached in July, from which there was an upward tendency, with $26\frac{1}{2}$ @ 27 cents the prevailing position in December. The general average for the year was 20.70 cents per pound, compared with 20.95 cents for 1903, and an annual average of 20.13 cents for five years prior to 1904. For Dairy Butter 11 @ 12 cents per pound closely represents the position up to June, and 10 @ $10\frac{1}{2}$ cents until late in October, prices later advancing to 12 @ $14\frac{1}{2}$ cents.

Considerable Butter comes to this market by wagons from near-by localities, of which there is no record.

Butterine receipts were moderately reduced, representing 1,033,300 pounds, compared with 1,082,300 for 1903. Shipments were also moderately reduced, indicating 1,047,700 pounds, compared with 1,099,200 for 1903. The year's average price was 13.00 cents per pound, compared with 13.80 for 1903, and an annual average of 14.79 cents for five years prior to 1904.

Statistical details appear on other pages.

CHEESE.

Receipts of Cheese were 128,490 boxes, compared with 112,000 for 1903, and an annual average of 129,000 for five years prior to 1904. Shipments were 85,099 boxes, compared with 73,000 for 1903, and an annual average of 75,000 for five years prior to 1904. For the first four months the market was quite steady at $10\frac{1}{2}$ cents per pound for Factory product, subsequently declining to 8 @ $8\frac{1}{2}$ cents, with 10 @ $10\frac{1}{2}$ cents the prevailing price in December, the year averaging 9.40 cents per pound, against 11.40 for 1903, and an annual average of 10.98 for five years prior to 1904.

Statistical details appear on other pages.

EGGS.

Receipts of Eggs were 377,263 cases in 1904, compared with 338,327 in 1903, and an annual average of 420,000 cases for five years prior to 1904. Shipments were 265,276 cases, compared with 237,289 cases in 1903, and an annual average

of 207,000 for five years. High prices prevailed throughout the year. The range each month of the year was as follows: January, 23@32 cents per dozen; February, 18@29; March, 14½@20; April, 15@17; May, 15@17; June, 15½@16; July, 15½@16; August, 15@18; September, 18@19; October, 19@20; November 21@26; December, 22@27. The general average for the year was 19.60 cents per dozen, compared with 17.80 for 1903, and an annual average of 15.55 cents for five years prior to 1904.

Statistical details appear on other pages.

FEATHERS.

Receipts of Feathers in 1904 were smaller than for the preceding year and for several earlier years, the total indicating 935,655 pounds, compared with 1,026,542 pounds for 1903, and an annual average of 1,261,000 pounds for five years prior to 1904. Shipments were 964,209 pounds, against 893,187 for 1903, and an annual average of 953,000 pounds for five years. Prices ranged at 46@51 cents per pound, averaging 48 cents, compared with 51 cents for 1903, and an annual average of 44 cents for five years prior to 1904.

This city has the most complete modern factory in the feather and down business in the world, and this market is an attractive one in this line, for shippers and buyers.

Statistical comparisons appear elsewhere in this report.

WOOL.

The reported receipts of Wool in 1904 were considerably short of the exceptional record for the preceding year, but in excess of any other year, indicating a total of 111,878 bales, compared with 145,660 in 1903, and an annual average of 54,000 bales for five years prior to 1904. Shipments were 125,442 bales, against 151,524 in 1903, and an annual average of 60,000 bales for five years. Additions to the supply from pelts locally handled account for shipments being in excess of receipts. For Ohio Fleece Wool, washed combings, the average price for the year was about 30 cents per pound, compared with 25.50 cents for 1903, and an annual average of 24 cents for five years prior to 1904.

Statistical details appear on other pages.

TALLOW.

Receipts of Tallow in 1904 were 59,950 barrels and tierces, compared with 48,151 in 1903, and an annual average of 64,000 for five years prior to 1904. Shipments were 4,022 barrels and tierces, against 6,278 for 1903, and an annual average of 10,000 for five years. Early in the year quotations were 5½@5½ cents per pound, declining later to 4¾@4½ cents, with a subsequent tendency upward until 5@5½ cents was reached in October, with 4½@4¾ cents the prevailing position later in the year. The general average for the year was 4.80 cents, compared with 5.05 cents for 1903, and an annual average of 5.44 for five years prior to 1904.

Statistical comparisons appear elsewhere in this report.

HIDES.

Receipts of Hides in 1904 were liberal, considerably in excess of the preceding year, but short of the high record of 1902, the records showing a total of 657,284, compared with 566,231 in 1903, and an annual average of 639,000 for five years prior to 1904. Shipments were 548,633, against 502,477 in 1903, and an annual average of 469,000 for five years. Local slaughtering furnished about 165,000 Cattle Hides for the year, and also a large number of Calf Skins, Sheep Skins, etc. No. 1 Wet Salted Hides sold at 7@9½ cents per pound, averaging 8½ cents, compared with 7 cents for 1903, and an annual average of 7.78 cents for five years prior to 1904.

At the close of the year the various classifications of Hides in this market were quoted as follows, per pound: No. 1 Wet Salted, 9 cents; No. 2 Wet Salted, 8; No. 1 Bull, 7; No. 2 Bull, 6; No. 1 Dry Flint, 14; No. 1 Dry Salted, 12. Green Hides generally 1 cent per pound lower than Wet Salted.

Statistical comparisons appear on other pages.

LEATHER.

The reported receipts of Leather in 1904 were somewhat short of the preceding year, the record indicating a total of 230,323 bundles, compared with 259,281 for 1903, and an annual average of 258,000 for five years prior to 1904. Shipments were 197,458 bundles, against 200,427 for 1903. Local tanneries are large producers of Leather. The local slaughtering for the year added 165,000 Cattle Hides to the supply of unfinished stock, besides a large number of Calf Skins, Sheep Skins, etc. The extensive shoe manufacturing industry here, as well as the large production of harness and saddlery, make this an important market for Leather, made locally and elsewhere.

The average price of oak-tanned Sole Leather for the year was 30.10 cents per pound, against 28.10 for 1903, and an annual average of 29.02 cents for five years prior to 1904.

Statistical details appear on other pages.

OILS.

Lard Oil sold at 60@62 cents per gallon during most of the year, with 64 cents the prevailing price in October and November, from which it receded to 56 cents in December, averaging 61 cents for the year, compared with 73 cents for 1903, and an annual average of 63 cents for five years prior to 1904.

Linseed Oil was somewhat variable, selling mostly within the range of 37@44 cents per gallon, averaging 41 cents, compared with 41 cents for 1903, and an annual average of 54 cents for five years prior to 1904. These prices relate to one to five barrel lots.

Carbon Oil (illuminating) was without much change in prices during the year, 11@11½ cents representing the prevailing position for the first six months, and ten cents subsequently, indicating an average of 10.70 cents for the year,

compared with 10.85 for 1903, and an annual average of 8.84 cents for five years prior to 1904, for one to five barrel lots.

Petroleum receipts in 1904 were 290,792 barrels, compared with 270,784 for 1903, and an annual average of 321,000 for five years prior to 1904. Shipments were 100,927 barrels, against 126,962 for 1903, and an annual average of 122,000 for five years prior to 1904.

Sales by local concerns for direct shipment to points of destination, exclusive of arrivals in this market, were 1,992,522 barrels, which compares with 1,722,530 for 1903, 1,709,600 for 1902, 1,521,000 for 1901, and 1,473,000 for 1900.

Statistical details appear on other pages.

SALT.

The reported arrivals of Salt in 1904 were in excess of the previous records, indicating a total of 476,599 barrels, compared with 360,760 for 1903, and an annual average of 332,000 for five years prior to 1904. Shipments were 362,741 barrels, against 300,165 in 1903, and an annual average of 231,000 for five years. For car lots on arrival the quotation for Ohio River and Kanawha Salt was 90 cents per barrel of 280 pounds, throughout the year. The average price for 1903 was 83 cents, and for five years prior to 1904 the annual average was 90 cents.

HOPS.

Receipts of Hops in 1904 were 7,575 bales, compared with 8,130 for 1903, and an annual average of 11,000 for five years prior to 1904. Shipments were 1,976 bales, against 3,458 in 1903. Prices monthly were as follows: January, 28@31 cents per pound; February, 31@34; March, 30@32; April, 30@32; May, 29@31; June, 29@30; July, 29@30; August, 29; September (new crop), 29@31; October, 31@36; November, 26@37; December, 34@36. The general average for the year was 31.40 cents per pound, compared with 26.10 for 1903, and an annual average of 18.90 cents for five years prior to 1904.

Comparative receipts and shipments and annual prices appear on other pages.

WHISKY.

The production of Distilled Spirits in Cincinnati and the immediate vicinity in 1904 was slightly in excess of the high record for 1903, which was unusually large. The total was 11,291,369 gallons, compared with 11,257,611 for 1903, and an annual average of 9,301,000 gallons for five years prior to 1904.

The receipts of Whisky in 1904 were 247,591 barrels, compared with 241,945 for 1903, and an annual average of 339,000 barrels for five years prior to 1904.

The total quantity of Whisky represented by local production and receipts for the year was 23,175,737 gallons, compared with 22,870,971 for 1903, and an annual average of 25,569,000 for five years prior to 1904. The approximate valuation for 1904 was \$29,195,000, against \$28,926,000 for 1903, and an annual average of \$32,200,000 for five years prior to 1904.

The production of Rectified Spirits was slightly increased, amounting to 15,636,491 gallons, compared with 15,551,662 for 1903, and an annual average of 13,280,000 for five years prior to 1904.

The basis price of Finished Spirits in this market at the close of 1903 was \$1.27 per gallon. The changes during 1904 were as follows: March 3, \$1.28; September 26, \$1.26½; October 21, \$1.25; October 25, \$1.24. The general average for the year was \$1.27, against \$1.28 for 1903, and an annual average \$1.27½ for five years prior to 1904.

Statistical details appear on other pages.

BEER, ALE, ETC.

The local production of Malt Liquors in 1904 was considerably in excess of the high record of the preceding year, the total indicating 1,622,919 barrels, compared with 1,533,985 for 1903, and an annual average of 1,358,000 barrels for five years prior to 1904. Receipts were 29,546 barrels, against 33,163 barrels for 1903. Shipments were 568,993 barrels, compared with 447,703 for 1903, and an annual average of 445,000 for five years prior to 1904.

The indicated local consumption of Malt Liquors for the year, for this city and vicinity, was 1,083,000 barrels, representing 33,573,000 gallons, which quantity, if applied to 575,000 as the population, would imply 58 gallons per capita, or over \$23.00 per capita as the average expenditure. Retailers paid out about \$6,765,000 for the quantity handled by them during the year.

Statistical details appear on other pages.

PIG IRON.

Pig Iron interests in this market are particularly large. Cincinnati houses, with their branches, continue to maintain the first position in this country in volume of sales of this product, their operations representing a large amount of transactions for direct shipment from furnaces to destination.

Local receipts of Pig Iron in 1904 were 592,422 tons, compared with 602,140 for 1903, and an annual average of 605,000 for five years prior to 1904. Shipments were 446,733 tons, against 514,717 for 1903, and an annual average of 523,000 for five years prior to 1904.

Sales of Pig Iron by local houses for direct shipment were 1,208,849 tons in 1904, compared with 957,507 for 1903, and an annual average of 1,009,000 for five years prior to 1904.

The value of the total receipts of Pig Iron in 1904 and sales by local dealers for direct shipment represents approximately \$26,100,000, against \$29,600,000 for 1903, and an annual average of \$29,600,000 for five years prior to 1904.

Prices of Pig Iron disclosed no special tendency to change in position in the early months of the year, shaping to a decline after May until September, when an upward movement set in, and a decided advance was effected. For Southern Coke No. 2 Foundry Iron the monthly averages of prices in 1904 were approximately as follows: January, \$12.50; February, \$12.50; March, \$12.50; April, \$12.75; May, \$12.50; June, \$12.00; July, \$12.00; August, \$12.00; September, \$12.25;

October, \$13.50; November, \$15.50; December, \$16.50. For the year the range was \$11.75@16.75 per ton, and the general average was \$13.10, compared with \$17.50 for 1903, and an annual average of \$17.15 for five years prior to 1904.

For Lake Ore Coke No. 2 Foundry Iron the range of prices in 1904 was \$13.15@17.65 per ton, averaging \$14.15, compared with \$20.00 for 1903, and an annual average of \$18.90 for five years prior to 1904.

For Hanging Rock Charcoal No. 1 Iron the range of prices in 1904 was \$22.15@24.65, averaging \$22.70, compared with \$30.00 for 1903, and an annual average of \$24.45 for five years prior to 1904.

The average price of Anthracite Foundry Pig Iron at Philadelphia in 1904 was \$15.57 per ton, compared with \$19.92 for 1903, and an annual average of \$19.45 for five years prior to 1904.

The production of Pig Iron in the United States was short of the preceding year's high record, the output representing 16,497,033 tons of 2,240 pounds, compared with 18,009,252 for 1903, and an annual average of 15,824,000 for five years prior to 1904.

Statistical data appear in tables elsewhere in this report.

MANUFACTURED IRON AND STEEL.

Receipts of Manufactured Iron and Steel in 1904 were considerably reduced in comparison with 1903, showing a total of 299,044 tons, against 355,988 for the preceding year, and an annual average of 330,400 for five years prior to 1904.

The following compilation shows annual average prices of Bessemer Pig Iron, at Pittsburgh; best Rolled Bar Iron, at Pittsburgh; Steel Billets, at Pittsburgh; Steel Rails, at mills in Pennsylvania; Wire Nails, at Chicago (f. o. b.), carload lots:

ARTICLES.	1904	1903	1902	1901	1900	1899	1898	1897	1896	1895
Bessemer Pig Iron, per ton ...	\$13 76	\$18 96	\$20 67	\$15 98	\$19 49	\$19 03	\$10 33	\$10 18	\$12 14	\$12 72
Rolled Bar Iron, per ton.....	38 17	39 59	43 58	40 38	48 12	48 75	28 98	24 78	27 22	28 09
Steel Billets, per ton.....	22 18	27 91	30 57	24 13	25 06	31 12	15 81	15 08	18 83	18 48
Steel Rails, per ton.....	28 00	28 00	28 00	27 33	32 29	28 12	17 62	18 75	28 00	24 38
Wire Nails, per 100 pounds ...	1 96	2 13	2 15	2 41	2 76	2 57	1 45	1 45	2 50	1 69

Statistical data appear in tables elsewhere in this report.

COTTON.

Compared with the exceptionally low record of the preceding year there was considerable gain in the receipts of Cotton in 1904, but without this comparison the total would appear as the lowest for a long term of years. The records, however, in this particular, are not a certain index of relative local business in this product, for the reason that they include movement through this point, and therefore the reduced exhibit must imply to more or less extent diversion of movement to other channels of transportation, or reduction in quantity of product in territory from which such movement originates. As a matter of fact this market is not now one of importance in the Cotton trade, and prices here in recent years have been based on seaboard markets, New York being the governing basis. The reported receipts here in 1904 were 148,320 bales, compared with 103,517 for

1903, and an annual average of 214,400 for five years prior to 1904. Prices at the opening of the year and for some months following were at an abnormally high position under the speculative operations instituted previously. The extreme range of prices for spot Cotton at New York, Middling Upland, was 16.25 cents per pound in January, 16.50 in February, 16.65 in March, 15.00 in April, 13.90 in May, 12.40 in June, 11.25 in July, 11.65 in August. The range in September was 10.60@11.30 cents, in October 9.90@10.60, and in November 9.30@10.25. The evidences of an unusually large yield of the 1904 crop had the effect to weaken market sentiment, and when the Department of Agriculture estimate early in December was made public the market made a serious break, spot Cotton at New York touching 6.85 cents. This estimate, however, proved by the spinner's returns subsequently to have been considerably below the actual situation. The average for the year at New York was approximately 12.10 cents per pound, compared with about 10½ cents for 1903, and 8¾ cents for 1902.

The Cotton crop of the United States for the year ending September 1, 1904 (grown in 1903), as estimated by the *New York Financial Chronicle*, was 10,123,686 bales, compared with 10,758,326 for the preceding year, and 10,701,453 for 1901-02. The annual average for five years prior to 1903-04 was 10,512,000 bales. The average gross weight of bales for 1903-04 was 507.86 pounds, compared with 508.55 for the preceding year, and 504.90 for 1901-02. The area in Cotton, as estimated by the *Financial Chronicle*, has been as follows: 1903-04, 28,995,000 acres; 1902-03, 27,300,000 acres; 1901-02, 27,874,000 acres; 1900-01, 26,534,000 acres. For the crop of 1904-05 the estimate is 32,363,000 acres.

Statistical data appear in tables elsewhere in this report.

LUMBER.

The records for 1904 indicate receipts of 61,107 cars of lumber, compared with 64,549 for 1903, and 96,548 for 1902, the latter being the high record in this line. For five years prior to 1904 the annual average was 68,700. Shipments were 47,308 cars, against 52,694 for 1903, and an annual average of 48,600 for five years. Prices at the close of the year for Pine product ranged about the same as a year previously, while Hard Lumber was on a reduced basis.

SOAP.

The shipments of Soap from Cincinnati in 1904 were increased about 10 per cent in comparison with the preceding year, the total indicated being 3,038,726 boxes, compared with 2,757,500 for 1903, and an annual average of 2,323,000 for five years prior to 1904. It is quite likely that the records do not cover the distribution of this product, and that much of it is moved as general merchandise. This view is supported by the information secured in regard to extent of manufacture locally, this being one of the most important industries of the locality. While the precise quantity of this product made here can not be stated there appears to be evidence indicating a total of approximately 275,000,000 pounds for 1904, compared with 250,000,000 for 1903, 235,000,000 for 1902, and 225,000,000 for 1901. The value of the manufacture in 1904 was about \$18,500,000.

COAL AND COKE.

The receipts of Coal at Cincinnati in 1904, as indicated by the records and investigations of the Chamber of Commerce, were 5,832,000 bushels in excess of the high record of the preceding year. The arrivals by river were the smallest since 1895, due to the cessation of such receipts during the last half the year. The receipts by railroad were largely increased, being 30 per cent above the high record of the preceding year. Total receipts by river were 43,818,000 bushels, compared with 55,432,000 for 1903, and an annual average of 53,521,000 bushels for ten years prior to 1904. Total receipts by railroad were 74,366,000 bushels, compared with 56,920,000 for 1903, and an annual average of 40,402,000 bushels for five years prior to 1904, the annual averaging for the preceding five years being 24,324,000 bushels, and for the entire ten years prior to 1904 an average of 32,623,000 bushels. The aggregate receipts for the year were 118,184,000 bushels, compared with 112,352,000 for 1903, and an annual average of 85,884,000 for ten years prior to 1904, the latter half of the period indicating an annual average of 93,102,000 bushels.

Coal shipments in 1904 were 44,676,000 bushels, the net supply for Cincinnati being 73,508,000 bushels. For five years prior to 1904 the annual average net supply for Cincinnati was 66,472,000 bushels.

The river receipts of Coal in 1904 were 37 per cent of the total, and rail receipts 63 per cent. For five years prior to 1904 the river receipts represented 56½ per cent of the total, and railroad receipts 43½ per cent.

Prices of Lump Coal afloat were 9 cents per bushel in the first three months of the year, 8½ cents from April to August, and 8@8½ cents subsequently, there being no offerings during several weeks in the closing portion of the year. The general average price for the year was 8½ cents, compared with 9¼ cents for 1903, and an annual average of 6.45 cents for ten years prior to 1904. Prices of Lump Coal from Pittsburgh and Kanawha districts delivered to consumers were \$3.50 per ton for January, February and March, \$3.00 to the last of October, and \$3.25, \$3.50 and \$3.75 later in the year, the general average for the twelve months being \$3.20, compared with \$3.66 for 1903, and an annual average of \$2.62 for ten years prior to 1904. For Lump Coal on cars the price ranged from \$2.35 to \$3.00 per ton, the general average for the year being \$2.60.

The price of Anthracite Coal delivered to consumers was \$7.50 per ton until April, then reduced to \$7.00, and in August advanced to \$7.25 and \$7.50. The general average for the year was \$7.30, compared with \$8.00 for 1903, and an annual average of \$6.85 for ten years prior to 1904.

For Nut and Slack Coal by river from the Pittsburgh and Kanawha districts the price afloat ranged at 5½@7 cents per bushel, 6½ cents for the larger part of the time, averaging about 6.30 cents for the year. For Nut and Slack Coal delivered the price ranged at \$1.75@2.50 per ton, averaging about \$1.95—\$1.75 being the price more than half the year.

Investigations by the Chamber of Commerce make it appear that the local consumption of Coal in recent years has been pretty evenly divided between industrial and household requirements.

For the year 1904 the local gas works consumed Coal to the extent of 257,000

tons of 2,000 pounds, or 7,137,000 bushels. There were sent out from the works 1,900,000,000 cubic feet of gas, and the product of electric current represented 25,848,000 kilowatts. The increase in output of gas was over 20 per cent in comparison with the preceding year, while the increase in electric current was less than 3 per cent.

The yearly range and average prices of Pittsburgh Coal, afloat and delivered, per bushel, based on weekly records, compare for a series of years as shown in the following compilation :

YEARS.	AFLOAT.			DELIVERED.		
	Lowest.	Highest.	Average.	Lowest.	Highest.	Average.
1893.....	6 $\frac{1}{2}$	8 $\frac{1}{2}$	7.58	9	19 $\frac{1}{2}$	11.04
1894.....	5 $\frac{1}{2}$	9	6.24	7 $\frac{1}{2}$	10 $\frac{1}{2}$	9.11
1895.....	5 $\frac{1}{2}$	6 $\frac{1}{2}$	6.00	8 $\frac{1}{2}$	10 $\frac{1}{2}$	9.00
1896.....	5 $\frac{1}{2}$	6	5.73	8 $\frac{1}{2}$	9	8.40
1897.....	5 $\frac{1}{2}$	6 $\frac{1}{2}$	5.70	5 $\frac{1}{2}$	10 $\frac{1}{2}$	8.10
1898.....	5	6	5.66	7 $\frac{1}{2}$	9	8.06
1899.....	4 $\frac{1}{2}$	7 $\frac{1}{2}$	5.80	8 $\frac{1}{2}$	11 $\frac{1}{2}$	9.50
1900.....	7 $\frac{1}{2}$	8	7.50	10 $\frac{1}{2}$	11 $\frac{1}{2}$	10.90
1901.....	6 $\frac{1}{2}$	8	7.50	9	10 $\frac{1}{2}$	10.55
1902.....	6 $\frac{1}{2}$	10	7.92	10	14 $\frac{1}{2}$	11.75
1903.....	9 $\frac{1}{2}$	10	9.25	12 $\frac{1}{2}$	14 $\frac{1}{2}$	13.18
1904.....	8	9	8.50	10 $\frac{1}{2}$	18 $\frac{1}{2}$	11.50

Coal from the Kanawha, Virginia and West Virginia regions, sells at the same, or about the same, prices as are obtained for the product from the Pittsburgh district. Sales afloat are on the bushel basis, 72 pounds; sales delivered are on the ton basis, 2,000 pounds, and represent screened or lump grade.

The receipts of Coke for the year were 4,186,000 bushels, and the quantity locally manufactured was 6,748,000 bushels, making a total of 10,934,000 bushels, compared with 10,977,000 bushels the preceding year. For city manufacture the average price for the year was 10 $\frac{1}{2}$ cents per bushel; of gas-house, 9 cents; of Connellsville, \$6.15 per ton.

Statistical data appear in tables elsewhere in this report.

LEAF AND MANUFACTURED TOBACCO.

The total receipts of Leaf Tobacco at Cincinnati in 1903 were smaller than for several years previously, amounting to 60,719 hogsheads, compared with 67,467 in the preceding year, and an annual average of 77,032 for five years prior to 1904. The receipts of cases and bales were 42,755, compared with 65,704 in the preceding year, and an annual average of 64,900 for five years prior to 1904. Shipments for the year were 56,865 hogsheads and 23,104 cases and bales.

At the auction warehouses the receipts of the year were 21,022 hogsheads, offerings 23,626, rejections 3,566, sales 20,060, cash amount of sales \$2,415,760, stocks remaining at end of the year 6,238 hogsheads.

The sales at the auction warehouses in 1904 represented an average of \$10.05 per 100 pounds, compared with \$8.35 for 1903, and an annual average of \$8.16 for five years prior to 1904. The comparisons of general average prices realized do

not necessarily reflect relative prices of equal grades, for the proportionate sales of the lower and higher grades is variable from year to year.

The value of the total arrivals of Leaf Tobacco in 1904 was approximately \$8,800,000, compared with \$9,100,000 for 1903, and \$9,710,000 for 1902.

The stocks of Leaf Tobacco at Cincinnati at the close of 1904 were unusually small, 6,238 hogsheads, compared with 8,781 a year previously, and an annual average of 12,841 for ten years prior to 1904.

Cincinnati is a market for Burley Tobacco. The trade in 1904 was affected by adverse conditions, including a shortage in production in the contributing territory, and an increased movement of product direct from the producer to the consumer, the latter being the main factor in curtailing the receipts in this market.

The local manufacture of Chewing and Smoking Tobacco was 10,250,000 pounds, compared with 8,972,000 for 1903, and an annual average of 9,570,000 for five years prior to 1904. The local manufacture of Cigars was 182,371,000, compared with 260,254,000 for 1903, and an average of 281,700,000 for five years prior to 1904.

Receipts of Manufactured Tobacco in 1904 were much reduced, amounting to 107,219 packages, compared with 168,438 for 1903, and an annual average of 211,000 for five years prior to 1904. Shipments were 152,535 packages, compared with 216,103 for 1903, and an annual average of 251,000 for five years prior to 1904.

The Tobacco crop of 1904 is estimated by the Department of Agriculture as 660,460,000 pounds, from 806,400 acres, against 815,972,000 pounds, from 1,037,700 acres, in 1903, the average price being estimated at 8.10 cents per pound for 1904, against 6.80 cents for 1903.

Statistical data appear in tables elsewhere in this report.

VEHICLE MANUFACTURING.

In the line of Vehicle manufacturing locally in 1904 there was a continuance of the tendency to revival of operations in this industry which was reflected in 1903, as compared with conditions which developed in 1902. Returns to the Chamber of Commerce indicate that the value of local output of Vehicles in 1904 was increased about 12 per cent compared with the preceding year, which makes the total value appear as about \$9,500,000, compared with \$8,500,000 for 1903, and an annual average of about \$8,500,000 for five years prior to 1904.

Cincinnati has been especially distinguished for the extent of its production of the lighter classes of Vehicles, which are shipped to all portions of the country, and to some extent exported to foreign countries. It is claimed for this city that its output of Vehicles exceeds that of any other place in the country. The economies and advantages incident to use of the most improved machinery in manufacture, the high quality of materials used, and the skill and taste displayed among manufacturers of such goods here, have combined to give fame to this market for Vehicles locally manufactured. The central position of Cincinnati in its relation to transportation communication with all sections of the country, and advantages commanded by our manufacturers for securing material economically and of high degree of excellence, are important elements in favor of this market in this line of industry.

BOOTS AND SHOES.

Cincinnati maintains a high position in the manufacture and distribution of Shoes. The value of the output of local factories in 1904 is estimated as approximately \$17,000,000. About nine-tenths of the local manufacture represents women's Shoes. The aggregate of sales by producers and dealers for the past year, as indicated by returns to the Chamber of Commerce, was about \$25,000,000, compared with \$24,750,000 for 1903, and an annual average of \$21,100,000 for five years prior to 1904.

Shoes of Cincinnati manufacture find market largely in the South, and are popular for their excellence of quality.

The following compilation shows approximately the value of yearly sales of Boots and Shoes by manufacturers and dealers at Cincinnati, according to special returns to the Chamber of Commerce:

1893.....	\$12,550,000	1897.....	\$14,150,000	1901.....	\$21,250,000
1894.....	11,250,000	1898.....	15,500,000	1902.....	22,950,000
1895.....	12,580,000	1899.....	17,250,000	1903.....	24,750,000
1896.....	11,350,000	1900.....	19,825,000	1904.....	25,000,000

CLOTHING.

The manufacture of Clothing is a notable industry here, and has long maintained special prominence. The product of local establishments is estimated as about \$16,000,000 for men's wear, and nearly or quite \$3,000,000 for women's wear. Sales of local dealers for the year, as indicated by returns to the Chamber of Commerce, reached a total of \$29,500,000, compared with \$28,050,000 for 1903, and an annual average of \$25,700,000 for five years prior to 1904. These sales include considerable Clothing received from other sources.

The following indicates approximately the value of yearly sales of Clothing by manufacturers and dealers at Cincinnati, according to special returns to the Cincinnati Chamber of Commerce:

1886-87.....	\$17,910,000	1893.....	\$21,725,000	1899.....	\$23,150,000
1887-88.....	18,415,000	1894.....	18,700,000	1900.....	25,575,000
1888-89.....	18,510,000	1895.....	19,650,000	1901.....	24,750,000
1889-90.....	21,060,000	1896.....	18,875,000	1902.....	26,975,000
1890-91.....	23,220,000	1897.....	20,750,000	1903.....	28,050,000
1891-92.....	23,450,000	1898.....	21,250,000	1904.....	29,500,000

DRY GOODS.

The distribution of Dry Goods by local houses, as indicated by returns to the Chamber of Commerce, was about the same in volume in 1904 as shown by the high record for the preceding year, the total appearing to represent about \$43,500,000, compared with \$43,750,000 for 1903, and an annual average of \$39,800,000 for five years prior to 1904. In the returns from the houses in this line it is not practicable to determine as to what extent the reported sales may in fact include other goods, but for general comparison the results reached may be accepted as fair approximation.

The following indicates approximately the value of yearly sales of Dry Goods by the trade at Cincinnati, according to special returns to the Cincinnati Chamber of Commerce, for the years stated:

1886-87.....	\$27,085,000	1898.....	\$35,575,000	1899.....	\$39,125,000
1887-88.....	28,870,000	1894.....	32,685,000	1900.....	37,150,000
1888-89.....	31,335,000	1895.....	33,625,000	1901.....	38,025,000
1889-90.....	34,965,000	1896.....	31,475,000	1902.....	41,000,000
1890-91.....	36,800,000	1897.....	34,350,000	1903.....	43,750,000
1891-92.....	37,450,000	1898.....	34,500,000	1904.....	43,500,000

The wholesale Dry Goods merchants of Cincinnati maintain full and superior assortments of goods, which are offered at relatively low prices. This policy has enabled our merchants to maintain a strong position in the competition for meeting the wants of dealers in towns less populous in the Ohio Valley and contiguous territory.

The following compilation shows yearly average prices of Middling Cotton and staple manufactures of Cotton at New York, for a series of years:

ARTICLES.	1904	1903	1902	1901	1900	1899	1898	1897	1896	1895
Middling Cotton, per lb.....	11.75	11.18	9.00	8.75	9.25	6.88	5.94	7.00	7.93	7.44
Standard Sheetings, per yard.....	7.13	6.25	5.48	5.54	6.05	5.28	4.20	4.78	5.45	5.74
Standard Drillings, per yard.....	7.31	6.37	5.52	5.48	5.95	5.13	4.10	4.75	5.48	5.69
Bleached Shirts, per yard.....	10.50	10.75	10.50	10.25	10.75	9.50	8.00	9.25	9.50	9.85
Standard Prints, per yard.....	5.00	5.00	5.00	4.62	5.00	4.25	3.96	4.70	4.66	5.25
Printing Cloths, per yard.....	3.44	3.25	3.11	2.84	3.21	2.69	2.06	2.48	2.60	2.86

FURNITURE, OFFICE FIXTURES, ETC.

The local business in Furniture, Office Fixtures, and kindred equipments, during the past year, so far as can be judged from returns received by the Chamber of Commerce, was about the same in the aggregate as for the preceding year, some concerns doing an enlarged business, and others reporting some decrease.

The local production of Furniture embraces all classes of furnishings for residences, offices, banks, hotels, restaurants, saloons, etc., and this market has maintained a high reputation for the tasteful designs and quality of work turned out.

In the manufacture of Office Fixtures this city is undoubtedly first in importance in this country. The most extensive plant of this kind is here—partly within corporation limits, partly just outside.

The local manufacturing concerns, as well as the department stores, handle considerable of Furniture made elsewhere, notably Chairs, and also Office Fixtures. Local factories turn out large quantities of burial cases, picture frames, mouldings, and minor articles in great variety, in which wood is largely used. Liberal quantities of goods in these lines are exported to foreign countries, notably desks, filing cabinets, bookcases, etc., for equipment of offices. The value of the output of Furniture and Office Fixtures in 1904 is estimated as approximately \$8,500,000, compared with \$8,500,000 for 1903, \$8,000,000 for 1902, and \$7,500,000 for 1901.

MANUFACTURING INTERESTS AND COMPARISONS.

Statistics of Manufacturing and other industries for Cincinnati would not appropriately reflect the status of this locality if they were to be confined to the corporation limits of the city. Therefore it is to be understood that such exhibits prepared by the Chamber of Commerce embrace matters of such nature which properly belong to this commercial center, regardless of the fixed lines of the corporation. Many of the very large Manufacturing establishments of the locality are situated beyond the city limits, and on the Kentucky side of the Ohio River. This fact makes it impossible for the Census Office exhibits to appropriately show the extent of the industrial activities here. This remark is likewise applicable to population returns.

Cincinnati is favored with an exceptional combination of conditions promotive of growth of Manufacturing industries, and advantageous returns for investment of capital and application of business enterprise. The facilities here for securing raw material at low cost, applicable to a great variety of industries—such as iron, wood, leather, fuel, etc.—have been important elements in the situation. The region is one especially favorable in climatic conditions, promotive of health and comfort of the people. The locality commands rare opportunities for securing food supplies, in great variety, of best quality, and at low cost to consumers. The abundance of capital and liberal banking facilities are important factors in such enterprise. Transportation facilities, by rail and water, provide for distribution of products from this central position more favorably as to cost and time than are available at any other large city in the country. Industrial classes are provided with good homes, readily accessible, and at low rates. Labor controversies have rarely interfered with industrial operations. Educational facilities here are of the highest order, including technical branches. Opportunities for recreation and entertainment are of the best class. Under such conditions Cincinnati has become a city distinctly prominent in Manufacturing industries, covering lines in great variety and extent, many of which represent the highest positions in such operations in this country.

As a result of careful investigations and calculations by the Chamber of Commerce the conclusion was reached that \$285,000,000 was a reasonable valuation to place upon the output of local Manufacturing establishments for the year 1900, \$300,000,000 for 1901, and \$315,000,000 for 1902. Returns and estimates for 1903 indicated that many large concerns increased their output in value, and various others did not increase, and some reported a decrease. In most instances the failure to expand in such comparisons, and the shortcomings, were due to lower prices, rather than lessened volume of products. For 1903 the conclusion was reached that the total was approximately the same as for the preceding year, \$315,000,000. The investigations for 1904 have resulted in evidence of but little change in the aggregate, compared with 1903, while more or less important changes occurred in specific lines. For instance, in the Vehicle manufacturing industry, in Soap, in Clothing, etc., there were gains in value of the output, while in Machines, Machine Tools, and other lines related to metal interests, there were declines of more or less degree. Returns and estimates which represent \$147,000,000 for 1903 indicate \$150,000,000 for 1904. On this evidence the aggregate value of

the output of Manufacturing establishments in Cincinnati and its immediate vicinity is placed at \$320,000,000 for 1904.

Local industries of special prominence include Woodworking Machinery, Machine Tools, Machinery and Engines of every kind, Vehicles, Soap, Metal Products of every description, Clothing, Shoes, Leather, Harness and Saddlery, Furniture, Bank, Bar and Office Furnishings, Distilling and Brewing, Printing, Printing Ink, Playing Cards, Chemicals, Pianos, Lumber, Pork and Beef Products, Fire-proof Safes, Tight Cooperage, etc.

The exportation of products of the factories of Cincinnati has been large in recent years, covering a wide range of articles, notably Machinery of all kinds, Machine Tools, Soap, Oils, Pianos, Decorative Pottery, Whiskies, Pharmaceutical Products, Stoves, Furniture, Office Furnishings, etc. The list of exportable products, appearing elsewhere in this report, is a long one.

BANKS AND BANKING CAPITAL.

Recent consolidations have reduced the number of National Banks in Cincinnati to ten, as compared with thirteen a year ago. The capital of the ten is \$10,850,000. There are sixteen private Banks and Savings Banks, representing capital of \$3,165,000. Also, in Covington, four National Banks, with capital of \$1,150,000; in Newport, two National Banks, with capital of \$200,000. Total capital of these local Banks, \$15,365,000. The surplus and undivided profits of these Banks represents a total about equal to the entire capital.

The following statement shows the Banking Capital of Cincinnati, and of the National Banks of Covington and Newport, for 1905:

CINCINNATI NATIONAL BANKS—		OTHER BANKS, ETC.—Continued—	
First National Bank.....	\$5,000,000	Union Savings Bank and Trust Co.....	\$500,000
Second National Bank.....	200,000	Cincinnati Trust Co.....	500,000
Third National Bank.....	1,200,000	Central Trust and Safe Deposit Co.....	500,000
Fourth National Bank.....	500,000	Provident Savings Bank and Trust Co.....	500,000
Fifth National Bank.....	600,000	Cosmopolitan Bank and Savings Co.....	100,000
Atlas National Bank.....	400,000	Security Savings Bank & Safe Deposit Co.....	100,000
Citizens National Bank.....	1,000,000	Helvetia Savings and Banking Co.....	50,000
German National Bank.....	500,000	Home Savings Bank Co.....	50,000
Market National Bank.....	250,000	Southern Ohio Savings Bank Co.....	25,000
Merchants National Bank.....	1,200,000	Unity Banking and Saving Co.....	50,000
OTHER BANKS, ETC.—		COVINGTON—	
Franklin Bank.....	240,000	First National Bank.....	300,000
Western German Bank.....	250,000	Farmers and Traders National Bank ...	300,000
Brighton German Bank.....	100,000	German National Bank.....	350,000
City Hall Bank.....	100,000	Citizens National Bank.....	200,000
Northside Bank.....	50,000	NEWPORT—	
S. Kuhn & Sons.....	50,000	German National Bank.....	100,000
		Newport National Bank.....	100,000

BANK CLEARINGS.

While the Bank Clearings are not an exact index of the comparative volume of local business operations they furnish a worthy and important indication of the changes which occur in such matters. For 1904 the record for Cincinnati advanced 6 per cent over the high position reached for 1903, the total showing \$1,222,815,000, which compares with \$1,154,647,000 for 1903, and an annual average

of \$951,227,000 for five years prior to 1904. The past year reflects a gain of 28½ per cent over this annual average for five years, and a gain of 63 per cent over the position five years ago, for 1899.

INTERNAL REVENUE COLLECTIONS.

Collections by the local Internal Revenue office in 1904 were \$12,039,015.40, compared with \$12,304,000 for 1903, and an annual average of \$12,084,000 for five years prior to 1904. The collections the past year represented the following: Distilled Spirits (including \$25.60 for export stamps), \$9,361,687.78; Beer, \$1,298,755.00; Tobacco Products, \$976,338.22; Tax from other sources, \$245,702.80; Special Taxes (licenses, etc.), \$156,506.00.

EXPORTABLE PRODUCTS.

As a result of inquiry by the Chamber of Commerce concerning lines of Product being exported, and which can be furnished for such trade by local establishments, it is found that the list is a long one, among which are the following:

Woodworking machinery, for furniture and chair factories, car and railroad shops, and all other varieties.

Machine tools, steam engines, gas and gasoline engines, automobile engines, boilers, steam pumps and power pumping machinery, hot-air pumping engines, shaping machines, drills, tool grinders, steam fire engines, gas holders and gasworks apparatus, patterns, etc.

Machinery for laundry purposes, electrical plants, druggists, chemists, bakers, paint manufacturers, sugar mills, cider mills, saw mills, flour and other cereal products, breweries, elevators, air compressors, etc.

Planing machines, lathes, hangers, iron pulleys, wood split pulleys, washer castings, and metal castings of every description, iron pipe, iron fence, iron and steel fence posts, structural and ornamental iron work, jail and prison work, barbed and plain wire, iron specialties, fire hydrants, hydraulic plug tobacco machinery and kindred supplies, stop valves, valve boxes, tin andterne plate, machinery and metal products generally.

Saddlery, harness, leather goods in great variety, leather belting, oak-tanned sole and harness leather, carriage and furniture leather, bark-tanned sheep leather, pickled sheepskins for gloves and wool, etc.

Electrical, hydraulic and other power elevators, street railroad generators, printing press electrical equipments, motors, dynamos, steam pipe and boiler coverings, flexible cement roofing, calliopes, stationers' hardware and specialties, ice-cream freezers, sausage machinery, sausage casings, peanut and coffee roasters, rice and coffee hullers, galvanized iron cans for artificial ice works,

all kinds of black and galvanized steel tank work, galvanized iron and steel sheets, kitchen ranges, gas and oil stoves and ranges, kerosene burners for heating purposes, etc.

Light vehicles, fine carriages, road wagons, delivery wagons of all kinds, automobiles, hearses, undertakers' goods, filing cabinets, office desks, bookcases, sideboards, furniture in variety, mattresses, hardwood mantels, piano stools, veneers, bicycles, hall racks, etc.

Brass goods of all kinds, including brass bedsteads and furniture; copper ware, distillery equipments, varnishes, japans, printing inks, oils and dry colors for printing ink purposes, pharmaceutical products, sal soda, bicarbonate soda, anti-rust paint, boiler compounds, paper boxes, knock-down cooperage for beer, wine, whiskey, alcohol, etc.

Soaps in full variety, starch, stearic acid, candles, distilled red oil, lard oil, perfumery, printing, lithography, cigars and cheroots, smoking tobacco, chewing tobacco, general confectionery, table sauce, gelatine, curled hair, feathers, etc.

Boots and shoes, clothing, uniforms, army supplies, military goods, lodge supplies, flags, tents, decorative material, cordage, cotton belting, braided cord, wickings, billiard tables, bungs, etc.

Pork and beef products, flour and other cereal products, canned goods, starch, bottled whiskies, beer, glycerine, vinegar, table sauce, pickles, etc.

Pianos, piano players. Rookwood pottery, and other works of art, and decorative material, metal picture frames, street car equipments, etc.

THE NATIONAL BOARD OF TRADE.

The Cincinnati Chamber of Commerce participated in the organization of the National Board of Trade, at a meeting in Philadelphia, in June, 1868, and has maintained membership in it from the beginning. The thirty-fifth annual meeting was held at Washington on January 17, 18 and 19, 1905, when the Chamber of Commerce was represented by JAMES T. McHUGH, ROBERT W. WISE, WILL L. FINCH, GEORGE F. DIETERLE, and CHARLES B. MURRAY.

The membership under the original plan represented constituent bodies organized for general commercial and not for special or private parties, each association being represented by delegates allotted with relation to the number of members in such associations. At the meeting in January, 1905, it was provided that individuals may become associate members. In 1868 there were thirty-two organizations represented in the original membership. For 1905 there are fifty-two constituent bodies represented by the membership.

The propositions before the meeting in January, 1905, included the following subjects from the Cincinnati Chamber of Commerce: Interstate Commerce Law; Inland Navigation Improvements; Consular Service; Trade Relations with Canada; International Arbitration; Free Alcohol for Industrial Uses; Regulation for Wood Alcohol; Uniform Bill of Lading. As chairman of the standing committee on crop reports Mr. MURRAY submitted a comprehensive report upon this important matter.

WEATHER BUREAU SERVICE.

The Chamber of Commerce membership has continued to be served with daily postings on the weather map of meteorological conditions under charge of Mr. S. S. BASSLER, Local Forecaster, who has been attentive to the calls upon his office for information. Additional to the reports of atmospheric conditions at points of observation throughout the country, there have been received, as heretofore, a large number of daily telegraphic reports of stages of navigable rivers tributary to this city, which have been posted on 'Change, with comparisons. Such information is of particular interest to persons concerned in river traffic and transportation, the coal trade, local merchants, etc., notably in times of high-water and low-water conditions, ice movement, etc.

A full Weather Summary for the year, from Mr. BASSLER's office, prepared especially for this report, will be found on pages following the general tabular exhibits.

POPULATION DATA.

Census reports show the following for Cincinnati: For 1810, 2,540; 1820, 9,642; 1830, 24,831; 1840, 46,338; 1850, 115,435; 1860, 161,044; 1870, 216,239; 1880, 255,139; 1890, 296,908; 1900, 325,902.

These figures represent returns within corporation limits, beyond and outside of which there is a large number which represent a part of the centralization of population, consistently belonging to Cincinnati. A part of this additional population is on the opposite side of the Ohio River, which can not be covered by the

corporation limits of Cincinnati because of the state line separation. It is within reason to say that Cincinnati and its belongings represents a population of over 550,000.

RAINFALL AT CINCINNATI.

The total Rainfall at Cincinnati in 1904 was 29.54 inches, compared with 34.69 for 1903, and an annual average of 32.57 for ten years prior to 1904, within which period the high record was 43.89 inches, for 1897, and the low record 17.99 for 1901. The high monthly record in 1904 was for March, 8.17 inches; the low record for November, 0.34 inches—the months of July, August, September and October being also low. For the period of seventy years, 1835 to 1904 inclusive, the annual average is 41.36 inches. Elsewhere in this report is a table of monthly and yearly averages for sixty-two years, 1843 to 1904, inclusive, with averages for each month of the year for the period from 1835 to 1850, to 1860, to 1870, to 1880, to 1890, to 1900, and to 1904. For periods of ten years, from 1841 to 1900, inclusive, the annual averages by months were as shown in the following, representing inches, and monthly averages for 1904:

MONTHS.	1841-50	1851-60	1861-70	1871-80	1881-90	1891-1900	1841-1900	1904
January	4.25	2.01	3.76	4.03	3.68	3.43	3.52	2.66
February	3.15	3.73	2.40	3.09	4.84	2.90	3.35	2.66
March	4.39	3.05	3.98	3.95	3.15	4.01	3.75	8.17
April	3.22	4.20	3.21	3.18	2.91	2.60	3.22	2.28
May	3.77	4.28	4.14	3.38	4.04	3.15	3.79	3.70
June	5.68	3.80	3.97	4.90	4.22	2.98	4.25	2.60
July	5.15	3.49	4.15	5.02	2.42	3.52	3.96	0.80
August	4.81	3.27	3.36	4.65	3.53	2.80	3.74	0.41
September	3.42	2.60	4.42	2.11	2.63	2.40	2.93	1.28
October	3.52	2.73	2.42	2.37	3.02	1.50	2.59	0.89
November	3.36	3.80	2.25	3.47	3.28	3.49	3.27	0.34
December	5.12	3.87	2.76	3.80	2.82	2.23	3.43	3.75
Average	49.79	40.78	40.77	43.95	40.49	35.01	41.80	29.54

RAILROAD TRANSPORTATION INTERESTS.

The efforts of the Chamber of Commerce to secure from railroad lines statements indicating the comparative or total movement of freights during the year have not been sufficiently successful to admit of a satisfactory exhibit of such matters. Estimates based on partial information in such particulars lead to the conclusion that the total of inbound and outbound freights for Cincinnati by railroad lines in 1904 was approximately 20,000,000 tons.

During the year important progress and attainments in the betterment and extension of terminal facilities have been secured, and much more is in contemplation, for this city. There is also under consideration the construction of a belt railway system, to promote the advantageous movement of the products of the industrial establishments here, which are widely scattered. The topography of the locality is such as to occasion difficulty in working out such plans, but it is believed that this will be overcome. A central and general passenger station for the several lines has received much attention, but definite plans have not yet been completed.

RIVER TRANSPORTATION INTERESTS.

Navigable conditions of the Ohio River in 1904 were greatly restricted by low stages of water, so that the ordinary craft were out of service nearly all the last six months of the year. The record of the river gauge at Cincinnati for 6 o'clock A. M. daily indicated 130 days on which the stage at this point was less than 6 feet. This compares with 49 days for such records in 1903, 68 for 1902, 39 for 1901, 74 for 1900, 76 for 1899, 13 for 1898, 65 for 1897, 6 for 1896, 134 for 1895, 112 for 1894, etc. For the period of ten years there were 654 days when the river stage record at Cincinnati at 6 o'clock A. M. was less than 6 feet. This represents an annual average of 65.4 days, or about 18 per cent of the entire period. Besides the interference with ordinary commodity transportation which low stages of water represent there is interruption to the movement of coal, the barges for such product calling for 6½ to 9 feet. Curtailment in river supplies of coal means drawbacks to industrial operations along this waterway.

In introducing the records of water stages it may be observed that a 6-foot stage at Cincinnati does not imply an equal stage either upstream or downstream. As a rule a 6-foot stage at Cincinnati would imply less than 4 feet for navigation between this city and the Kanawha River, and less than 3 feet for navigation to Pittsburgh. It would imply 6 feet from Cincinnati to Louisville, under influence of the Falls at the latter point, but less than 6 feet between Louisville and Cairo. A navigable stage of water equal to 6 feet between Cincinnati and Pittsburgh under existing conditions does not average more than eight of the twelve months of the year. The feature of uncertainty of periods of such interruptions to navigation seriously interferes with arrangements being made for transportation of commodities and raw material.

It is not practicable to introduce comparative freight tonnage figures representing the total of Cincinnati commodity transportation for the year. As a rule the craft in service find liberal offerings of freights. The development of industrial enterprises in this region has had the effect to change the relative course of merchandise movement, which formerly represented a larger amount downstream toward Cincinnati, while now the distribution of products from the factories and warehouses of this city and immediate vicinity has made the tonnage going upstream the one of larger volume.

The lowest stage of water at Cincinnati in 1904 was 3.3 feet, October 6 and 7; the highest, 45.9, March 9; average for the year, 14.5 feet. For 1903 the average was 17.9 feet; 1902, 16.8 feet; 1901, 17.2 feet; 1900, 13.8 feet; 1899, 17.1 feet; 1898, 19.7 feet—the annual average for five years prior to 1904 being 16.6 feet.

There were 30 steamers engaged in freight and passenger traffic on the Ohio River in 1904 in service between Cincinnati and other ports, representing a total of 14,048 tons, compared with 27 steamers, total of 13,498 tons for 1903. One steamer, the "Sunshine," was destroyed, by being burned, at Tiptonville, Tenn., March 10.

The rainfall at Cincinnati in 1904 was 29.54 inches, compared with 34.69 inches in 1903, and an annual average of 30.49 inches for five years prior to 1904. For the preceding five years the annual average was 34.65 inches.

The attractiveness of the Ohio River for travel and pleasure, and for promotion of health, is not as well understood as it should be. The agreeable steamer accommodations, and the attention given to passengers on both up-river and down-river lines, furnish opportunities for enjoyable recreation rarely equaled anywhere, and at comparatively small cost. The picturesqueness and variety of scenery are not surpassed on any waterway in this or any other country.

Under the heading of Marine Works in this report is detailed information in regard to the work of improving the Ohio River and tributaries in 1904, under charge of United States Engineers.

In 1903 the President of the Chamber of Commerce received from Hon. T. E. BURTON, chairman of the House Committee on Rivers and Harbors, a request for much specific information concerning the Ohio River and its commerce. There was submitted a list of 46 interrogatories, relating to volume of freights, rates of transportation, stages of the river, navigable periods, influence of low and high water on cost of transportation incident to an improved river, and various other matters. This information was called for incident to questions involved in the plan of improving the Ohio River by construction of a series of movable dams to secure slack-water navigation in periods of low stages, thus providing for transportation facilities continuously throughout the year, which system has been inaugurated on the upper section of the river, and on the Kanawha River. The Ohio River plan as arranged for contemplates 6 feet of water stage. The desirability of a stage of 9 feet has been introduced and agitated. The proposed improvement is understood to call for 36 moveable dams below the Davis Island Dam to and including the one to be just below Cincinnati. For the Lower Ohio it is understood that some 18 or 20 dams would be required to complete the work to the Mississippi.

The preparation of a statement in response to the inquiries submitted by Mr. BURTON was delegated to Superintendent C. B. MURRAY, who gave much time and careful research to the subject. The voluminous nature of the report makes it impracticable to copy it here, but the following items are copied from the general summary accompanying the statement furnished to Mr. BURTON :

The annual tonnage of freights moved on the Ohio River is recognized as having averaged 12,000,000 tons for the past ten years.

Close calculations in regard to the Cincinnati share of Ohio River freight tonnage are possible on information secured by the Chamber of Commerce, and indicate an annual average of fully 4,000,000 tons for the past ten years.

Those informed upon river traffic matters agree in the view that the Cincinnati share represents approximately one-third of the whole traffic for the river, which supports the suggestion of 12,000,000 tons as a total.

The Water Transportation report of the Census of 1890 made the eleven tributaries of the Ohio appear to have moved $6\frac{1}{2}$ per cent more freight in the aggregate during the year 1889 than was moved on the Ohio.

In view of these features of evidence, it appears to be within reason to regard 25,000,000 tons as not excessive as an estimate of the average movement of freights annually in late years, for the Ohio River and tributaries.

It may be commented that much of the freights of tributaries pass to the main waterway, and have a reckoning in each instance. But this does not detract from the significance of the

tributary or of the main waterway in their relations to traffic, or the merit of the total tonnage thus reached for a system.

The Census report quoted makes it appear that the tonnage of freight moved in the year 1889 on the Ohio River and its tributaries belonging to its system, was 20 per cent greater than the combined freight tonnage of the Upper and Lower Mississippi River and tributaries.

Coal barges which transport fuel supplies from the headwaters to Cincinnati and to other points, for domestic and industrial purposes, as now constructed, require $6\frac{1}{2}$ to 9 feet of navigable water. Light craft in the packet service can operate on 6 feet and somewhat less. During the past ten years the river stage at Cincinnati has been as low as 12 feet or less for 46 per cent of the period, this stage at Cincinnati representing closely the time of minimum of navigable conditions in the Upper Ohio, admitting of the movement of coal barges. The freighting craft other than coal barges is laid up on an average one-third of the year from interruptions to navigation from low water. These statements reflect the situation under existing conditions, with the river unimproved.

The vast extent of freight movement on the Ohio River and its tributaries, manifestly representing an annual total of 25,000,000 tons or more, reflects the importance of such waterway facilities under the existing disadvantages of interruptions to navigation and higher cost of transportation. Removal of these disadvantages would at once rapidly expand such industry and commerce, bringing returns fully commensurate to any needful outlay to secure such permanent improvements.

Losses by collisions with Ohio River bridges to the close of 1902 had reached a total of \$1,020,000, as officially stated. These losses are understood to be largely incident to movement of freight craft in periods of high water, and which would be greatly lessened or practically avoided under improvement of the river admitting of continuous navigation.

Improvement of the Ohio River, with its navigable condition assured throughout the year, in connection with the advantageous relation of this region to sources of supplies of fuel and material entering into manufacture of commercial products, would encourage the rapid development of industrial plants and enterprises throughout the extent of this waterway, its central position in the country and its relations to lines of transportation in all directions combining advantages in such respects unequaled elsewhere in the country. These conditions are associated with the further and important feature of climatic conditions which are decidedly in favor of this region, and of attractive topography.

Freight rates on the Ohio River average about two-thirds of rail rates for like distances, and would be further lowered under an improvement of the waterway by which continuous business could be maintained, and the cost of transportation reduced incident to the lessening of risks and losses attending movements of crafts on high stages of water. Other advantages which would result from continuous navigation include stability of conditions admitting of time contracts and regular transportation arrangements with railway lines, the movement of coal without detention from the mining districts and incidental risks, the building up of industries along this waterway under the facilities for deliveries of fuel and material advantageously and regularly, the promotion of industry and commerce reaching directly to very many localities not situated on the waterway but coming within the influence of conditions attending this valley, and in various other ways.

The States of Ohio, West Virginia, Kentucky, Indiana and Illinois, contiguous to the Ohio River, represent one-fifth of the entire population of the country. These States, as also Pennsylvania, not included in this population reckoning, are directly affected by the facilities for freight movement by the Ohio River and tributaries.

The region of country adjacent to and directly affected by the Ohio River and its navigable tributaries is unexcelled anywhere in its resources of products of mines, of forestry, and of agriculture, furnishing the basis of material for industrial operations, of freights for transportation, and of commerce, domestic and foreign. It is not too much to say that in no other portion of our country at this time is there an opportunity for betterment of the productive interests having a general bearing upon the country at large equal to that which is afforded by prompt completion of work planned and proposed for securing a continuous navigable stage of water in the Ohio River.

MARINE WORKS—OHIO RIVER AND TRIBUTARIES.

LIEUTENANT-COLONEL E. H. RUFFNER, Corps of Engineers, U. S. A., has furnished the following statement of operations during 1904 on work connected with the improvement of the Ohio River under Government appropriations.

DISTRICT No. 1.

The U. S. dredges Ohio and Oswego were employed on excavation at various bars obstructing the channel, chiefly from Short Creek, 9 miles above Wheeling, to Marietta; including Short Creek, Blair Run (Fish Creek Island), Coon Run, Barnes Run (Williamsons Island), Reas Run (Grape Island), and Mill Creek Island. All dredging was carried to a depth of 5 feet below low water, and the obstructive portions of the bars removed for such area as would make the channel available for its full width. Many rocks, logs, and snags were removed during work on these bars.

When low water in August prevented continuance of work on the Ohio River, the dredging fleet was transferred to the Muskingum, where conditions were more favorable for effective work, and on November 11 completed excavation over the entire river bed between the Baltimore & Ohio bridge and the mouth of the river, an area 600 feet wide and 800 feet long, to a depth of 5 feet below low water; the bar at Harmar Point and a row of piles along shore were also removed. The work not only relieves the difficult navigation at the mouth of the Muskingum, but also provides a safe and easily accessible harbor for boats and tows seeking protection from ice in the Ohio.

After completing work in the Muskingum the dredges were employed for the remainder of the season on the bar opposite its mouth, in the Ohio River, which had caused much delay and loss to coal tows. The area dredged was 1,500 feet long and 400 feet wide, with a depth of 6 feet below low water; many large logs, timbers, and remains of wrecks were also removed.

In addition to the above, arrangements were made by this office for the temporary use of the dredging plant owned by the Louisville District, for detached dredging operations in the vicinity of Louisville, Ky.

This work was undertaken in response to complaints received from steamboat owners and pilots, of interruption to navigation by a bar at Grassy Flats, Ohio River, 580 miles below Pittsburgh.

The dredge Louisville, with tender, was employed for about two months in dredging a low-water channel through the bar in question, for a length of about 1,600 feet.

The channel thus dredged was used exclusively during the low-water season which prevailed during the fall of 1904, and afforded a much needed relief to boats navigating this portion of the river.

During the season the U. S. snagboat E. A. Woodruff, employed in removing wrecks and other obstructions, made two trips over the river to Pittsburgh, one trip to the mouth of the river, and two trips to Louisville; but the extreme high water early in the year, and the ensuing long period of extreme low water, greatly interfered with her customary work.

During the season the Woodruff removed 464 snags and 84 wrecks; in the

vicinity of Pittsburgh 13 wrecks were removed from the channel by crews specially organized for the purpose.

On account of the damage sustained by the ice piers at Middleport, Ohio, 251 miles below Pittsburgh, and at Gallipolis, Ohio, 267.5 miles below Pittsburgh, by reason of the heavy ice which prevailed during the severe winter of 1903-4, repairs were urgently required to preserve the usefulness of these piers as harbors of refuge for river craft seeking protection from running ice. Repairs, which consisted in replacing entirely defective and missing timbers in the top courses of four sections of the two piers for a distance of about 11 feet; splicing and blocking wornout timbers lower down in the structures; renewing the stone filling; replacing missing ring bolts, anchors, etc., and strengthening all sections of both piers by the addition of iron tie bars and corner irons on the exposed surfaces, were carried on during the past season.

It is believed that the repairs thus completed, will add materially to the life of the piers.

Repairs to low dams, made necessary by damage from ice and floods during previous seasons, were continued during the low-water season; dams at the following localities on the Ohio River, being repaired during the past season: Browns Island, 60.5 miles below Pittsburgh; Marietta Island, 168.9 miles below Pittsburgh; Buffington Island, 215.5 miles below Pittsburgh; and Raccoon Island, 274.4 miles below Pittsburgh. These repairs consisted in renewing the loose stone which had been displaced by the action of running ice, and swift water in times of flood, and in restoring the dams to such levels above low water as to make them effective in cutting off back channels of islands, thus providing an increased depth in the channels used during ordinary stages of the river.

The timber crib dikes situated at Eight Mile and Four Mile bars, Ohio River, and distant from 9 to 13 miles above Cincinnati, were also repaired during the past low-water period. These repairs consisted in replacing defective or missing cross ties and portions of the top course of timbers, and refilling and paving with stone where required. These repairs will doubtless prolong the usefulness of these dikes for many years.

The land required on the right bank of the river at Fernbank, Ohio, for Dam No. 37, was acquired early in the year under condemnation proceedings, that on the left bank having been previously purchased; and a contract for the construction of the Lock and Dam was entered into in October with the Sheridan-Kirk Contract Co. at a cost, in round numbers, of \$796,000. Since the execution of the contract, active preparations have been in progress by the contractors for the prosecution of the work.

DISTRICT No. 2.

The work under the charge of this office during the year 1904 has been the operation, care, and extension of slack-water system of navigation on the three canalized rivers, the Kentucky, Big Sandy, and Muskingum, all tributaries of the Ohio River.

The following is a resumé of operations during the calendar year, 1904:

Kentucky River.—At the beginning of the year there were 9 locks and fixed dams in operation on this river, and Locks and Dams Nos. 10 and 11 were under

construction. Lock and Dam No. 10, at Ford, Ky., was completed December 7, 1904, by the contractors, Messrs. Mason & Hoge, at a total cost of approximately \$210,000. They are now in operation. Lock and Dam No. 11, at College Hill, Ky., under contract of Messrs. H. E. Talbott & Co., is still in course of construction. It is to be completed on or before January 1, 1907. Both these locks and dams are of concrete, with steel gates, and the dams are of the fixed type. The lifts of these dams are 17 and 18 feet, respectively. The completion of Lock No. 10 gives an available depth of 6 feet for navigation from the Ohio River to College Hill, Ky., a distance of 200 miles.

The completed locks have been operated during the year and minor repairs made. The more important repairs were as follows: Replacing timber guide cribs with isolated concrete piers at Locks Nos. 1, 4, and 5; dredging of channels; and extensive repairs to the floating plant.

Big Sandy River.—At the beginning of the year Locks No. 1, at Catlettsburg, Ky.; 2, at Kavanaugh, Ky.; and 3, at Louisa, Ky., were completed, and No. 3 was in operation. Dam No. 3 was also completed and Dams Nos. 1 and 2 were in course of construction. Dam No. 1, under contract with the Sheridan-Kirk Contract Co., was completed October 31, 1904, at a total cost of approximately \$116,000. Dam No. 2 is still in course of construction, but practically completed. All three of these dams are of the movable type. The lifts are as follows: No. 1, 22.5 feet (dependent on the stage of the Ohio River); No. 2, 12.5 feet; No. 3, 12.2 feet (to be raised 4.5 feet). At Louisa the Tug and Levisa forks unite to form the Big Sandy River. During the year sites were purchased for a lock and dam on each of these forks, 4 and 8 miles above Louisa, respectively. Plans and specifications have been prepared during the year for a lock at each of these sites, and the work is now being advertised, bids to be opened February 25, 1905. The estimated cost of these two locks is \$252,000. The completion of Locks and Dams Nos. 1, 2, and 3, and the raising of the dam at Louisa, Ky., will give an available depth of 6 feet for navigation from the Ohio River to Locks Nos. 1 on the Tug and Levisa forks, 30 and 34 miles, respectively.

Minor repairs and operation of the completed works were carried on during the year.

Muskingum River.—At the beginning of the year there were 10 locks and fixed dams on this river, extending from Marietta to Zanesville, Ohio, a distance of 76 miles. This system was built by the State of Ohio and came under the control of the United States in 1887. No new locks or dams have been built since then; but extensive repairs, amounting to over \$1,500,000, have been made to existing structures.

During the year the locks have been operated and necessary minor repairs and improvements carried on. The more important operations during the year were as follows: Removal of a bar at the mouth of the river by the Ohio River dredges; building of a quarterboat, dump scows, clam-shell dredge, etc.; reconstruction in concrete of guide cribs at Locks Nos. 5 and 9; repairs of slope of Dam No. 9 in concrete; building of quarters for lockmaster at Lock No. 4.

The total amount expended in this district during the calendar year 1904 was \$456,007.46.

The following is a brief summary of the work accomplished on the rivers forming the Wheeling, W. Va., district during the calendar year 1904, as furnished by MAJOR GEORGE A. ZINN, Corps of Engineers.

Ohio River.—Owing to high water the working season did not open until well into July, after which the weather conditions and stage of water were unusually favorable for lock and dam construction until December 1, when cold weather made it advisable to suspend operations.

Dam No. 8: A contract was entered into June 8, 1904, with The T. A. Gillespie Co., of Pittsburgh, Pa., for building the lock and guide walls. Under this contract work was commenced on July 1. At the close of the season the upper guide-wall foundation was completed, and 240 feet of the wall proper carried to its required height. Considerable excavation for the land-wall foundation was accomplished.

Dam No. 11: On June 30, 1904, a contract was entered into with the Aetna Construction Co., of Wheeling, W. Va., for building lock and guide walls, work under which was commenced on July 16. The lower gate recess of the lock lacks about one-fourth of completion; 330 feet of foundation for the land wall was finished, and the wall carried to its proper height for about 25 feet.

Dam No. 13: Work on the lock and guide walls was commenced August 1, 1901, under contract with The Sheridan-Kirk Contract Co., of Nicholasville, Ky., but the progress has been unusually slow, owing, in part, to the character of the river bed. At the close of the year the river wall is completed for 619 and the land wall for 640 feet. With the exception of about one-fourth of the lower recess both gate recesses are completed.

Dam No. 18: The Evansville Contract Co., under its contract entered into November 21, 1902, has completed the lock and guide walls. Plans are in preparation for the dam and for the accessories to the lock.

Dam No. 19: The purchase of the land required for this site was completed. No funds are available for the construction of a lock and dam.

Kanawha River.—New lower gates for Locks Nos. 6 and 2 were placed, the new upper gates for No. 2 being well under way. Such repairs as were necessary to keep the structures in good condition were made. A contract was entered into August 6, 1904, with Messrs. Cassady & Hanna, of Charleston, W. Va., for building guide cribs at Locks Nos. 2, 3, and 11.

Little Kanawha River.—The Government has charge only of Lock No. 5, which was kept in good condition and operated when the stage of water would permit.

CAPTAIN H. BURGESS, Corps of Engineers, U. S. A., Louisville, Ky., has furnished the following details in regard to the tributaries of the lower Ohio River, etc., the information following representing operations in 1904:

Improving Falls of Ohio River at Louisville, Ky.—The project for this work contemplates the enlarging of the easterly end of the Louisville and Portland Canal, so as to provide a capacious basin or harbor wherein tows may be arranged preparatory to entering or leaving the canal. The main channel over the "Falls," known as "Indiana Chute," is to be straightened, and the water flow concentrated so as to afford an open-river channel, with a depth of 8 feet when that stage of water is shown by the upper canal gauge.

On account of the limited amount of funds available, operations during the

past year were restricted to the removal of a comparatively small quantity of disrupted rock from the enlargement at the head of the canal and the repair of Wave Rock and Willow Point dikes, Indiana Chute.

During the fiscal year ending June 30, 1904, 1,500 steamboats, barges, etc., carrying 542,015½ tons of freight, passed over the "Falls," via the Indiana Chute.

Louisville and Portland Canal.—The original canal was constructed by a private corporation in which the United States was a stockholder. Subsequently, Congress authorized the purchase and entire control of the canal, and since that time the canal and locks have been enlarged and greatly improved. The locks are combined, consisting of two chambers, each chamber being 350 feet long and 80 feet wide. The canal is available for traffic and commerce at all stages of water less than 12.7 feet, upper canal gauge, and serves to permit free navigation around the Falls of the Ohio at stages of water when boats can not pass through the open channel.

During the past fiscal year a total of 5,500 passenger boats, towboats, coalboats, barges, and small craft, passed through the canal, carrying 1,349,371½ tons of freight and 14,305 passengers. In addition to the work of passing this traffic through the canal and locks, the usual dredging and ordinary repair work necessary to keep the canal in good condition was done.

Green and Barren Rivers, Ky.—The system of improvements on these rivers provides slack-water navigation with a minimum depth of about 5 feet, from Spottsville, Ky., to a short distance above Brownsville, Ky., on Green River, and to Bowling Green, on Barren River, in all about 210 miles. The work of constructing one more lock and dam (No. 6) in Green River, to extend slack water to Mammoth Cave, Ky., is now in progress under contract with The Hollerbach & May Contract Co., and will probably be completed by the close of the present calendar year.

The work accomplished during the year included the passage of traffic through the five locks in Green River and one lock in Barren River, together with the completion of the work of reconstructing Dam No. 1, Green River, with concrete, and the dredging, snagging, and other current repair work necessary to maintain the system in good navigable condition. During the fiscal year ending June 30, 1904, 4,028 steamboats, barges, etc., passed Lock No. 1, Green River, carrying 329,896 tons of freight.

Rough River, Ky.—The permanent improvements on this river consist of a lock and dam located about eight miles above the mouth of the river, near Livermore, Ky., and afford slack-water navigation to Hartford, Ky., for boats having a draft not exceeding 4 feet, and 127 feet long and 27 feet wide. The only work of importance during the year was the passage through the lock of 650 steamboats, barges, etc., carrying 33,076 tons of freight.

Wabash and White Rivers.—The only permanent improvement in these rivers is the lock and dam at Grand Rapids, Wabash River, 92½ miles above its mouth; the available capacity of the lock is, length 214 feet, width 52 feet. Traffic through the lock during the fiscal year ending June 30, 1904, comprised 479 boats, etc., carrying 4,370 tons of freight.

LIGHTHOUSE SERVICE.

LIEUTENANT-COMMANDER A. P. OSBORN, U. S. Navy, Lighthouse Inspector, Fourteenth District, has furnished the following information regarding work performed in the year 1904:

The Fourteenth Lighthouse District extends on the Ohio River from Pittsburgh to Cairo, in all 966 miles; on the Tennessee, 255½ miles; on the Great Kanawha, 73½ miles; all told, 1,295 miles, and embraces all aids to navigation within these limits. Inspector in Charge, LIEUTENANT-COMMANDER A. P. OSBORN, U. S. Navy. During the year COLONEL G. J. LYDECKER was relieved as Engineer of the District by LIEUTENANT-COLONEL E. H. RUFFNER, Engineer Corps, U. S. Army.

There are in the district: Post lights, 498; Floating lights, 39; Day marks, 7; Barrel buoys, 5; Steam tender Goldenrod for inspection and supply, 1.

The usual spring inspection was made, during which the posts were painted, brush cleared, and all other necessary work done. On account of continued low water, it was impossible to make the usual fall trip, the Goldenrod not leaving Cincinnati until December 29th. Lights established, none; Lights discontinued, 1; Posts reset, 71; Trees cut, 1,592.

There were some changes made by shifting lights on account of the channel changing, all of which were made known by advertisement. The lights were faithfully tended and few complaints received.

RANGE IN WATER STAGES AT CINCINNATI.

Low and high Stages of water in the Ohio River, at Cincinnati, from daily official records at 6 o'clock, A. M., for each month in the years indicated, as compiled by the Cincinnati Chamber of Commerce:

MONTHS.	1904		1903		1902		1901		1900		1899		1898		1897		1896		1895		1894	
	Low.	High	Low.	High	Low.	High	Low.	High	Low.	High	Low.	High	Low.	High	Low.	High	Low.	High	Low.	High	Low.	High
January.....	10.7	48.6	14.7	37.0	8.8	44.0	9.6	28.8	7.3	31.8	19.0	41.8	13.8	52.2	9.8	17.8	7.5	24.2	8.3	48.4	15.4	21.0
February.....	18.0	30.2	23.2	49.4	8.4	11.7	8.8	20.9	11.2	27.8	11.5	39.0	13.3	36.9	10.1	41.1	12.8	38.8	10.4	18.5	15.4	35.6
March.....	19.7	40.8	26.2	53.1	16.4	50.9	7.6	38.7	15.6	36.8	24.2	57.2	15.0	61.4	20.2	55.6	12.8	38.8	14.8	38.9	17.8	27.5
April.....	14.8	44.8	22.8	44.6	14.4	42.2	23.9	39.7	13.6	28.0	14.4	27.2	18.5	58.6	19.1	38.2	15.9	30.7	12.8	33.9	14.2	25.4
May.....	10.7	33.8	7.9	22.6	6.0	19.0	16.0	37.2	8.3	16.8	11.7	23.5	18.9	28.6	12.0	20.7	8.6	17.8	10.3	17.2	9.4	22.4
June.....	9.7	28.8	10.3	17.7	8.0	22.5	17.7	40.0	7.4	18.8	11.0	13.7	8.1	18.8	12.0	20.7	8.6	17.8	10.3	17.2	9.4	22.4
July.....	7.1	22.3	9.3	17.1	12.6	27.3	7.4	23.8	7.6	13.8	6.5	11.5	6.2	11.2	7.1	18.0	10.6	20.8	4.6	19.1	4.1	8.1
August.....	5.7	27.3	5.0	9.1	12.8	18.9	5.8	12.7	7.6	13.8	4.0	17.5	17.2	39.2	7.5	18.0	10.6	20.8	4.6	19.1	4.1	8.1
September.....	3.7	6.8	5.1	14.3	3.9	16.9	7.4	14.0	5.5	17.7	3.8	7.0	4.5	10.8	3.2	4.2	5.5	10.3	2.9	6.9	3.1	18.0
October.....	3.2	6.8	4.3	11.2	4.3	12.3	4.8	13.0	3.9	11.4	3.5	7.0	4.5	10.8	3.2	4.2	5.5	10.3	2.9	6.9	3.1	18.0
November.....	3.7	5.3	4.3	16.5	4.9	15.5	4.2	13.4	3.7	39.0	3.4	9.3	10.3	26.8	3.2	13.6	9.9	21.8	2.4	5.4	3.5	8.9
December.....	3.4	11.8	5.8	22.8	15.2	47.0	11.1	39.3	7.8	40.0	6.3	23.0	10.4	31.9	12.0	25.3	10.1	23.2	4.5	21.8	6.0	19.4
Year.....	3.3	45.9	4.5	53.1	3.9	50.9	4.2	59.7	3.2	40.0	3.4	57.2	4.5	61.4	3.0	61.1	5.5	47.7	2.3	48.4	3.1	35.6

THE CITY OF CINCINNATI.

The City of Cincinnati, bordering on the Ohio River, which represents a line between States, is deprived of the significance which it really has in comparisons of population, for the reason that a large portion of this centralization is separated from the records of the city corporation. The city proper and the adjacent belongings represent considerably over 500,000 of population, probably more than 550,000. The growth is not rapid. The locality is one of steady and substantial progress in development. The climate is healthful and agreeable. The surroundings are interesting to the observer for the variety and picturesqueness of scenery and conditions. The facilities for rapid transit in and about the city are unexcelled.

The industrial activities of this locality largely represent manufacturing operations, covering a wide range of lines and interests. The number of establishments, large and small, reaches about 8,000. The capital employed is about \$150,000,000. The value of real estate occupied is about \$75,000,000. Number of hands employed, about 120,000. Value of product in 1904, about \$320,000,000. In various lines our city leads, and in many others is notably prominent, in comparison with other manufacturing centers. In the past ten years there has been decided industrial growth, as evidenced by the increase in the yearly comparisons of value of local manufactures, while the average of prices has been lowered.

No other large city in the country equals Cincinnati in value of its output of local factories in proportion to population. No other city enjoys a higher reputation for the quality of its products, which find distribution to other markets of the world.

Much has been done in the past by manufacturing establishments at Cincinnati in furnishing products for exportation to foreign markets, and in this there is an increasing volume of operations, and enlargement of lines of articles for such distribution. The high reputation acquired for our products, with the favorableness of cost, are elements calculated to secure a further expansion in this direction.

The proximity of this industrial center to sources of supply of raw materials that enter into the production of staple products of commerce forms a basis for advantageous and profitable operations of manufacturing establishments. This applies especially to iron, coal, hardwood, salt, etc.

Cincinnati is the largest city near the center of population of the United States. Its resources for fuel are the regions of Pittsburgh, Virginia, West Virginia and Ohio, available by cheap water and rail transportation. This fuel is of the highest grade for steam-producing purposes, as well as for domestic uses.

Cincinnati commands not only the advantages of the great railway systems centering here, diverging in all directions, and through their connections reaching all sections of the country with shorter average distances and lower average cost than any other large city, but also has the benefit of the water transportation afforded by the Ohio River and tributaries, and its connection with the Mississippi River and tributaries, thus combining incomparable facilities and advantages for the movement of materials and products of industry. It is especially favorably situated with reference to trade with the West Indies, Central America, South America, etc.

A recent computation in regard to relative cost of freight from points of origin to all parts of the United States resulted in the following comparisons of averages per 100 pounds: From Cincinnati, 81 cents; Chicago, 84 cents; St. Louis, 88 cents; Minneapolis, \$1.22. A similar computation applicable to a radius of 600 miles from the point of origin gave the following averages per 100 pounds: From Cincinnati, 66 cents; Chicago, 73 cents; St. Louis, 75 cents; Minneapolis, \$1.11.

Cincinnati is the central market for hardwood lumber from the forests of Kentucky, Tennessee and West Virginia. The development of iron and steel production in Alabama and Tennessee brings this market into ready command of these products from sources of lowest cost. Incident to such facilities, this city has always had high-class skilled labor.

The many lines of prominent industry in this city include the manufacture of clothing, shoes, soap, leather, harness and saddlery, vehicles, furniture, machinery for woodwork and all other purposes, machine tools, office and bank equipments, veneering, regalia and lodge goods, school books, lithographic and other high-class printing, printing inks, whisky, beer, pork and beef products, pianos and other musical instruments, electrical equipments, decorative pottery, cooperage, etc. It is the most prominent market in the distribution of White Burley tobacco. It leads in the manufacture of various lines of products.

Cincinnati is one of the best paved cities in the country, its streets the cleanest, the drainage the best. It is provided with a system of electric transit facilities which has no superior, and is believed to be not equaled elsewhere in the United States. This is attended with transfer privileges of an exceptionally favorable nature. The city is well provided with public parks, which with the suburban regions easily accessible by the electric and steam car lines and river steamers, afford the masses excellent opportunities for outing trips and recreation.

The educational facilities of Cincinnati are superior, including all the branches of free public schools, from the higher courses of the University, the colleges of law, medicine, dentistry, pharmacy, technology, theology, etc. The Art Academy and College of Music are of highest repute in the country. The libraries, reading rooms and museums afford admirable privileges. The many clubs promote literary, political, business and social interests and friendly intercourse.

Cincinnati is well provided with places of entertainment, including its great Music Hall and many theatres. Its free concerts in the parks are a special feature. Its suburban resorts, accessible by street railway and by river steamers, and its incomparable Zoological Gardens, are attractions of much merit.

Cincinnati has the finest fountain in the country, the gift of a private citizen, Mr. HENRY PROBASCO. Its public-spirited citizens have been and are numerous, contributing to the welfare of the city through the benefits to be derived from parks, from schools of art and of music, from the erection of a great Music Hall and Art Museum, from hospitals and fresh air homes, flower market, and in many other ways advancing the higher interests of the community through their munificence and intelligent consideration. The city is provided with splendid municipal and federal buildings, and a Chamber of Commerce Building of surpassing architectural impressiveness, with a large and increasing number of high-class, modern business structures.

Cincinnati is provided with the best of police and fire protection, giving exceptional security to life and property.

Cincinnati is favored in banking facilities, savings institutions, and building associations.

The churches of Cincinnati embrace nearly every denomination, and are noted for being in charge of ministers of high order of intelligence and power in the dissemination and encouragement of religious and moral principles.

Cincinnati is provided with excellent hotels, and high-class restaurants, with comparatively moderate charges for services rendered.

The climate of Cincinnati compares most favorably with other sections of the country. It is not attended with the extremes of temperature experienced elsewhere. In healthfulness, the locality ranks with the best in the country. In food resources, the great variety, high quality, and comparative cheapness of products here available count favorably for the laboring classes. Similar conditions relating to economy in living expenses apply to clothing, fuel, gas, etc.

This locality is conspicuously an industrial one, and has thus retained and attracted to the place a working class, which commands the necessities of life on an economical basis. With these conditions, and the extent of such population centralized here, with unexcelled facilities for transportation distribution, manufacturing interests find Cincinnati an especially advantageous locality.

Five bridges connect Cincinnati with the southern shore of the Ohio River, in Kentucky, by which means freight and passenger traffic in that direction is provided for, as well as important facilities for reaching residence localities for business men and the artisan classes. These bridges are from 1,489 to 1,648 feet in length, exclusive of approaches.

The Cincinnati Chamber of Commerce will give careful attention to any inquiries which may be made in regard to the opportunities of this locality for industrial enterprises. Real estate is abundantly available, favorably situated, and at relatively moderate cost.

THE CINCINNATI CHAMBER OF COMMERCE.

[A sketch of the organization of the Cincinnati Chamber of Commerce and of incidents of a historical nature relating to it appeared in the Annual Report for 1902.]

The Cincinnati Chamber of Commerce represents one of the oldest and most prominent of the trading exchanges in the country. It possesses a building and an Exchange Hall unexcelled in attractiveness, and a monument to the enterprise of the business men of this city. Its members assemble daily, to effect transactions in grain, flour, hay, seeds, provisions, whisky, coal, country produce, lumber, real estate and various other lines, and to arrange for freights, insurance, investments, option deals, etc. The Exchange is provided with very complete telegraphic market information, covering prominent domestic and foreign markets, relating to breadstuffs, provisions, live stock, and other interests, as well as quotations of the New York Stock Exchange, weather reports, river stages, etc. Its facilities are promotive of the interests of manufacturers, of jobbers, of traders, of investors, and of many others. Its social advantages are important. It is an agreeable place to invite visitors sojourning in the city. It furnishes opportunity for citizens to greet and to listen to expressions from persons of eminence and celebrity.

The Chamber of Commerce maintains appropriate rules for the conduct and regulation of trade operations, and obligations incident thereto. It appoints inspectors, weighers, gaugers and measurers, and supervises and regulates their acts. It provides for the settlement of differences, disputes and misunderstandings arising between business men. It accords to non-members having controversies with members equal privileges and consideration in hearings of such cases, and fulfillment of obligations to non-members. It has acted on questions of freight inconsistencies and discriminations, securing relief locally from such unfavorable conditions.

The Chamber of Commerce as an Association is influential as a deliberative body. The organization, in general session and through the meetings of its Board of Directors, gives much of judicious attention and support to public measures, of a local and general nature. Its conservative treatment of such questions has secured for it marked recognition and consideration. It has from the beginning of the National Board of Trade maintained membership in that body, and contributed its share in the work accomplished by it in advancing public interests. It was prominent in organizing the Ohio State Board of Commerce. It was at the front in bringing into existence the Ohio Valley Improvement Association, the labors of which have been notably important in securing Governmental attention to slack-water navigation projects, which promise to be greatly beneficial to this region and this locality. It acted in advance of other bodies in the work of originating and promoting Weather Bureau plans, and in aiding the introduction of methods by which this service has become valuable beyond computation. It initiated action resulting in the organization of the Industrial Bureau of this city.

STATISTICAL EXHIBITS
OF THE
CINCINNATI CHAMBER OF COMMERCE
AND
MERCHANTS' EXCHANGE,
FOR THE YEAR 1904,
WITH COMPARISONS.

RECEIPTS AT CINCINNATI.

Receipts of Principal Commodities, for six calendar years, as indicated, according to records of the Chamber of Commerce:

ARTICLES.	1904	1903	1902	1901	1900	1899
Ale, Beer and Porter, bbls.	29,546	33,163	48,953	30,460	34,353	35,246
Apples, Green, bbls.	416,991	390,203	356,653	2,22,087	351,862	210,877
Barley, bush.	1,025,936	886,755	817,909	1,094,427	1,173,742	1,033,010
Beef, lbs.	658,854	537,329	194,801	200,730	79,490	444,530
Boots and Shoes, cases.	295,434	305,833	374,027	341,961	314,174	313,983
Bran, Middlings, etc., tons.	43,041	88,062	78,784	60,250	46,751	30,477
Broom Corn, lbs.	1,749,176	857,370	842,374	1,458,759	1,313,884	1,178,417
Butter, tubs, firkins, etc.	146,598	120,800	223,075	237,946	223,424	160,207
Butterine, lbs.	1,033,327	1,082,945	1,863,762	1,320,118	2,323,811	2,325,123
Cattle, head.	260,778	259,383	243,705	228,755	206,366	219,395
Cheese, boxes.	128,490	111,989	145,484	137,402	136,897	112,098
Coal, bush.	118,183,783	112,351,891	104,600,593	91,890,981	78,349,035	88,320,328
Coffee, bags.	296,002	264,696	316,727	282,682	205,710	325,320
Coke, bush.	4,186,000	4,473,900	7,919,000	6,723,030	3,670,000	3,208,769
Corn, bush.	9,570,217	10,453,465	7,820,048	11,783,145	14,605,973	6,853,790
Cotton, bales.	148,320	103,517	179,819	233,966	201,193	363,368
Eggs, cases, etc.	377,263	338,327	464,799	493,218	414,623	389,543
Feathers, lbs.	955,655	1,026,542	1,171,328	1,184,552	1,494,006	1,493,028
Flour, bbls.	1,524,725	1,553,704	2,408,068	3,031,743	2,561,977	2,154,374
Fruit, Dried, lbs.	3,566,722	3,095,432	4,512,244	3,284,236	4,217,672	5,684,697
Fruit, Green, tons.	31,021	20,224	17,588	14,554	20,452	13,419
Grease, tierces.	105,518	68,786	73,613	118,182	100,023	93,770
Hay, tons.	110,371	108,091	166,909	128,143	89,911	113,472
Hemp, bales, etc.	41,706	42,142	28,639	15,286	13,496	10,642
Hides, number.	657,284	566,231	758,507	650,772	587,400	630,315
Hog Product—Bacon, lbs.	1,010,103	1,241,004	1,945,586	3,478,375	4,973,000	5,407,369
D. S. Meats, loose, lbs.	83,917,486	95,261,843	110,458,369	140,641,491	111,583,232	107,520,077
D. S. Meats, in boxes, lbs.	3,764,500	6,436,500	10,046,500	11,926,500	5,498,500	6,339,327
Hams, lbs.	5,966,008	7,583,283	6,575,994	11,451,391	7,254,135	13,903,463
Lard, lbs.	84,903,544	25,335,227	31,144,879	44,827,334	51,000,466	55,468,300
Pork, bbls.	3,426	1,431	7,258	7,696	4,339	4,689
Hogs, head.	986,858	887,816	781,780	893,464	952,605	992,603
Hops, bales.	7,575	8,130	8,582	7,980	19,129	12,752
Horses, head.	27,786	26,456	21,490	21,286	19,826	23,707
Iron and Steel, tons.	290,044	355,988	422,651	363,110	248,820	261,716
Iron and Steel, Scrap, tons.	44,416	55,561	97,701	54,214	62,935	74,582
Iron, Plg, tons.	592,422	602,140	743,595	603,918	458,203	615,288
Lead, Plg, lbs.	34,201,299	25,941,978	33,398,808	26,829,021	29,133,137	33,309,842
Lead, White, lbs.	230,323	259,281	308,465	291,617	237,539	192,842
Leather, bundles.	78,066	67,633	63,239	86,181	56,779	64,550
Lemons, boxes.	61,107	64,549	96,548	73,038	55,232	51,474
Lumber, cars.	1,137,635	1,186,112	1,012,907	1,003,481	955,445	808,075
Malt, bush.	17,575,060	37,606	82,477	55,476	41,716	47,604
Meats, Fresh, lbs.	45,987	5,890,504	5,883,009	9,260,765	7,392,957	3,750,416
Molasses, bbls.	4,991,574	475,895	590,193	531,430	346,626	345,817
Oats, bush.	520,908	266,368	231,681	343,818	199,016	121,519
Oil, bbls.	389,039	210,334	247,095	188,850	194,826	282,704
Oranges, boxes.	317,484	270,784	316,747	321,734	334,893	359,209
Peanuts, bush.	290,792	1,808,044	1,784,448	1,964,379	3,202,285	2,323,824
Petroleum, bbls.	1,809,011	47,426	105,447	78,439	65,739	47,722
Potatoes, bush.	62,094	520,695	523,024	612,206	442,215	433,273
Rice, bbls.	575,923	360,760	443,440	320,594	191,495	343,425
Rye, bush.	476,599	3,671	2,516	2,646	1,102	425
Salt, bbls.	3,671	31,127	52,843	36,142	35,900	32,600
Seed—Flax, bush.	29,278	66,787	91,107	56,696	53,500	58,700
Clover, bags.	84,839	119,745	85,733	95,089	100,900	59,200
Timothy, bags.	504,318	511,990	507,094	409,238	371,108	363,487
Other Grass, bags.	182,890	177,718	185,378	144,791	141,326	163,020
Sheep, head.	473,971	379,583	386,176	517,338	672,626	735,536
Soap, boxes.	4,162	4,063	5,182	5,182	11,320	8,374
Starch, boxes.	284,520	263,780	335,279	288,276	263,139	353,690
Stearine, tierces.	59,950	48,151	59,406	63,347	61,452	90,580
Sugar, bbls.	60,719	67,467	81,075	73,901	72,104	90,615
Tallow, tierces and bbls.	42,755	65,704	52,740	60,620	63,826	81,905
Tobacco, Leaf, hhd.	107,219	168,438	226,829	237,515	226,149	186,636
Tobacco, Leaf, cases and bales.	56,958	48,049	34,742	43,700	52,387	40,882
Tobacco, Manufactured, pkgs.	39,585	31,465	34,281	27,690	23,530	20,286
Turpentine, bbls.	1,933,447	2,830,463	4,988,822	4,111,548	2,961,211	1,356,390
Vegetables, Green, tons.	247,591	241,945	3,98,604	422,942	370,531	269,613
Wheat, bush.	19,142	26,251	44,172	31,711	26,489	22,087
Whisky, bbls.	83,412	67,967	124,361	141,013	112,182	90,061
Wines and Liquors, bbls.	111,878	145,660	60,324	23,572	11,983	29,640
Wines and Liquors, cases and pkgs.						
Wool, bales.						

SHIPMENTS FROM CINCINNATI.

Shipments of Principal Commodities, for six calendar years, as indicated, according to records of the Chamber of Commerce:

ARTICLES.	1904	1903	1902	1901	1900	1899
Ale, Beer and Porter, bbls.....	568,993	447,768	446,949	397,352	445,888	456,942
Apples, Green, bbls.....	203,045	204,730	184,765	128,160	154,715	108,186
Barley, bush.....	22,872	28,341	8,541	55,471	222,168	201,944
Beef, lbs.....	787,428	220,027	498,524	561,785	287,890	779,192
Boots and Shoes, cases.....	266,335	284,377	405,980	298,476	324,314	299,291
Bran, Middlings, etc., tons.....	39,288	35,508	67,014	50,726	38,462	28,114
Broom Corn, lbs.....	812,068	315,775	416,907	394,400	437,822	498,218
Butter, tubs, firkins, etc.....	47,322	45,291	36,619	29,139	32,759	84,813
Butterine, lbs.....	1,047,696	1,099,190	2,306,416	1,409,416	636,963	769,582
Cattle, head.....	96,594	114,368	92,182	78,581	64,469	74,828
Cheese, boxes.....	85,009	72,990	78,789	78,712	78,327	68,401
Coal, bush.....	44,676,000	39,422,760	36,687,747	27,254,796	14,592,621	15,289,086
Coffee, bags.....	238,144	180,148	251,060	246,194	156,858	248,454
Coke, bush.....	5,833,000	5,462,600	6,744,000	5,101,000	3,423,000	2,598,000
Corn, bush.....	5,939,189	7,110,679	4,365,272	7,781,473	10,902,716	4,117,467
Cotton, bales.....	141,755	91,134	175,737	212,172	196,847	340,181
Eggs, cases.....	265,276	237,289	243,458	206,545	129,578	221,649
Feathers, lbs.....	964,209	898,187	782,477	906,055	1,090,125	1,099,133
Flour, bbls.....	1,038,986	1,102,669	1,898,091	2,560,351	2,161,805	1,778,378
Fruit, Dried, lbs.....	1,726,399	1,147,407	2,165,504	2,142,585	2,717,099	4,545,681
Fruit, Green, tons.....	20,838	9,838	9,059	8,087	10,357	7,907
Grease, tierces.....	11,429	11,808	24,245	70,546	61,293	59,646
Hay, tons.....	55,961	60,472	91,378	63,457	38,574	66,169
Hemp, bales.....	29,433	33,695	26,281	11,546	9,455	7,908
Hides, number.....	548,633	502,477	631,148	451,687	319,359	439,988
Hog Product—Bacon, lbs.....	6,328,739	6,576,403	12,011,547	19,420,868	18,868,339	20,605,715
D. S. Meats, loose, lbs.....	90,103,146	83,187,081	110,387,764	139,370,681	109,957,719	110,191,864
D. S. Meats, in boxes, lbs.....	6,395,000	7,038,000	10,898,000	16,291,000	9,360,500	12,087,000
Hams, lbs.....	18,191,777	14,358,380	15,562,892	22,898,822	18,272,910	24,815,470
Lard, lbs.....	47,774,711	36,099,790	43,649,318	58,424,450	67,802,658	76,896,410
Pork, bbls.....	8,592	1,539	7,090	8,446	4,568	5,280
Hogs, head.....	333,207	315,571	264,144	303,926	290,213	341,256
Hops, bales.....	1,976	3,458	3,653	4,497	14,509	9,506
Horses, head.....	19,231	19,067	15,282	13,874	18,648	17,585
Iron and Steel, tons.....	242,732	351,671	321,290	276,315	193,751	225,151
Iron and Steel, Scrap, tons.....	40,520	56,340	66,940	39,226	48,079	69,408
Iron, Pig, tons.....	446,733	514,717	691,877	520,792	364,644	523,927
Lead, Pig, lbs.....	8,682,999	2,814,541	1,777,144	964,248	3,163,755	5,879,395
Lead, White, lbs.....	25,271,519	27,661,879	26,797,048	18,272,658	19,007,473	25,045,770
Leather, bundles.....	197,454	200,427	225,511	206,345	188,793	173,156
Lemons, boxes.....	35,112	31,435	59,518	45,850	26,901	29,798
Lumber, cars.....	47,308	52,694	62,108	48,981	37,216	42,120
Malt, bush.....	748,527	689,912	555,989	661,495	783,702	686,924
Meats, Fresh, lbs.....	17,516,482	.....	.....	.....	.....	.....
Molasses, bbls.....	35,126	35,360	48,503	36,872	35,081	39,064
Oats, bush.....	2,543,992	3,735,660	3,427,516	6,568,562	4,315,478	1,698,996
Oil, bbls.....	446,744	435,548	474,346	421,772	287,092	303,815
Oranges, boxes.....	199,119	192,456	132,001	168,736	91,177	52,765
Peanuts, bush.....	247,869	187,569	170,786	135,846	115,376	269,079
Petroleum, bbls.....	100,927	126,962	110,900	109,179	127,572	137,277
Potatoes, bush.....	646,168	746,450	911,356	975,298	1,207,446	1,102,713
Rice, bbls.....	36,198	31,665	77,231	57,933	43,591	34,661
Rye, bush.....	140,678	234,817	177,334	258,890	162,653	189,252
Salt, bbls.....	362,741	300,165	310,604	214,068	102,618	228,877
Seed—Flax, bush.....	1,517	1,839	2,171	2,152	614	.....
Clover, bags.....	20,378	30,289	48,348	33,709	35,300	29,200
Timothy, bags.....	34,505	47,818	54,616	45,304	42,800	40,500
Other Grass, bags.....	90,446	96,148	98,330	88,364	70,300	54,800
Sheep, head.....	378,476	379,430	381,791	277,248	275,104	275,045
Soap, boxes.....	3,038,726	2,757,535	2,567,447	2,497,221	1,797,397	1,998,914
Starch, boxes.....	360,082	620,322	913,452	1,027,981	935,084	1,234,816
Stearine, tierces.....	12,428	10,747	14,923	10,782	6,410	7,559
Sugar, bbls.....	112,205	101,997	142,098	134,829	109,012	188,662
Tallow, tierces and bbls.....	4,022	5,278	9,442	5,023	7,948	20,925
Tobacco, Leaf, hhds.....	56,865	64,801	82,903	75,847	70,066	79,589
Tobacco, Leaf, cases and bales.....	23,104	51,040	32,434	36,813	25,887	36,942
Tobacco, Manufactured, pkgs.....	152,545	216,103	267,068	265,382	274,588	235,179
Turpentine, bbls.....	47,326	37,779	27,827	38,106	88,738	32,849
Vegetables, Green, tons.....	16,852	14,379	16,380	9,597	7,758	8,692
Wheat, bush.....	1,434,385	2,554,036	4,412,414	3,698,511	2,270,728	887,920
Whisky, bbls.....	428,342	423,547	567,549	586,993	505,821	408,223
Wines and Liquors, bbls.....	11,003	18,688	25,557	17,023	15,545	12,113
Wines and Liquors, cases and pkgs.....	222,131	231,003	297,167	296,909	258,713	213,806
Wool, bales.....	125,442	151,524	66,220	33,503	16,503	33,476

AVERAGE ANNUAL PRICES OF STAPLE PRODUCTS.

Average annual prices of Staple Articles indicated, at Cincinnati, for commercial years ending August 31, to 1891-92, and calendar years subsequently :

YEARS.	Butter, Dairy.	Butter, Creamery.	Butterine.	Cheese, Factory.	Eggs, Selected.	Potatoes, Standard.	Apples, Green.	Apples, Dried.	Peaches, Dried.	Coffee.	Sugar, Hard.	Molasses, New Orleans.
	Lb.	Lb.	Lb.	Lb.	Doz.	Bush.	Bbl.	Lb.	Lb.	Lb.	Lb.	Gal.
1884-85.....	16.45	25.34	14.56	9.24	16.59	\$0 50	\$2 15	3.81	7.29	10.88	7.00	48.70
1885-86.....	14.12	20.07	11.93	9.41	13.58	48	1 35	2.40	3.20	10.20	7.16	48.08
1886-87.....	18.82	24.52	14.50	11.19	14.60	58	2 59	3.99	5.58	16.79	6.51	42.31
1887-88.....	17.49	23.99	15.19	10.39	15.84	88	2 20	6.08	6.97	18.99	7.40	41.50
1888-89.....	14.66	22.01	16.29	9.69	13.50	40	1 54	3.01	2.82	18.37	8.49	41.21
1889-90.....	13.50	20.81	15.50	9.00	13.54	52	2 82	3.72	3.11	20.81	7.99	40.39
1890-91.....	14.98	22.89	16.23	9.60	16.30	97	3 49	9.07	8.16	20.87	6.12	34.60
1891-92.....	16.33	23.92	17.25	10.17	15.77	45	2 14	3.40	2.74	18.55	4.89	34.31
1892.....	17.03	24.27	18.09	10.00	15.66	55	2 50	3.85	3.10	18.73	5.04	31.73
1893.....	19.00	25.00	16.90	10.18	16.30	74	2 90	5.04	4.86	20.52	5.64	35.27
1894.....	12.88	18.92	14.97	9.75	12.41	66	3 30	5.55	5.65	20.76	5.06	32.11
1895.....	10.54	17.13	14.25	9.00	13.79	49	2 02	4.62	7.40	20.52	5.03	28.97
1896.....	8.60	14.50	12.50	8.85	10.75	28	1 80	2.25	6.25	18.59	4.73	31.86
1897.....	9.65	15.45	12.80	9.05	10.79	48	1 97	2.64	7.18	15.02	5.29	26.13
1898.....	11.03	16.46	13.75	8.68	12.14	57	2 76	4.31	8.05	9.74	5.74	31.82
1899.....	12.56	18.60	14.08	10.66	13.55	49	2 59	4.81	10.22	9.67	5.57	32.00
1900.....	13.99	19.90	16.02	10.98	13.43	43	2 54	3.44	8.85	10.75	6.15	38.46
1901.....	11.97	19.36	13.25	10.28	14.98	62	2 73	3.81	8.18	9.18	5.82	34.25
1902.....	15.52	21.83	16.80	11.60	18.00	62	2 90	4.20	8.36	8.30	5.22	33.46
1903.....	13.65	20.95	13.80	11.40	17.80	59	2 40	4.50	7.00	7.65	5.53	32.62
1904.....	11.40	20.70	13.00	9.40	19.60	78	2 30	4.45	7.85	9.60	5.80	32.66

YEARS.	Clover Seed.	Timothy Seed	Flaxseed.	Hay, Timothy	Bran.	Middlings, Fine.	Middlings, Coarse.	Coal, soft, Pittsburgh.	Coal, soft, Kanawha.	Coal, deliv'd, Pittsburgh.	Coal, deliv'd, Kanawha.	Coal, Anthracite.
	Lb.	Bush.	Bush.	Ton.	Ton.	Ton.	Ton.	Bush.	Bush.	Ton.	Ton.	Ton.
1884-85.....	8.02	\$1 41	\$1 31	\$12 81	\$12 96	\$16 18	\$14 49	8.04	7.43	\$3 03	\$2 98	\$7 05
1885-86.....	9.27	1 83	1 06	12 16	11 76	14 84	13 26	6.58	6.24	2 79	2 68	6 62
1886-87.....	7.05	1 87	1 07	11 17	12 85	14 62	13 21	7.55	7.26	3 06	3 01	6 78
1887-88.....	6.77	2 44	1 14	14 79	15 66	17 71	16 56	10.01	9.75	3 88	3 68	7 63
1888-89.....	7.78	1 50	1 25	12 74	12 07	13 86	12 66	6.71	6.10	2 76	2 68	7 00
1889-90.....	5.64	1 30	1 28	10 56	11 16	12 76	11 49	6.78	6.87	2 69	2 69	6 46
1890-91.....	6.88	1 30	1 18	10 58	16 64	19 57	18 27	7.28	6.75	2 84	2 84	6 36
1891-92.....	8.43	1 27	92	11 25	14 25	16 20	15 55	7.63	7.09	2 87	2 87	6 41
1892.....	9.70	1 47	95	11 10	13 67	15 11	13 94	7.49	.....	2 88	2 88	6 79
1893.....	10.67	1 68	1 05	12 55	13 35	14 76	13 18	7.58	7.20	3 07	2 94	7 23
1894.....	8.80	2 10	1 16	10 95	13 15	14 10	13 40	6.34	6.69	2 53	2 55	6 85
1895.....	7.64	2 07	1 08	12 70	13 25	14 60	13 30	6.00	5.42	2 51	2 49	6 16
1896.....	6.74	1 39	80	12 20	8 90	9 50	9 00	5.73	5.28	2 34	2 34	6 44
1897.....	5.82	1 20	73	9 80	9 55	10 55	10 10	5.70	4.91	2 25	2 26	6 20
1898.....	5.08	1 11	87	8 67	11 92	12 52	13 23	5.66	4.89	2 28	2 27	6 20
1899.....	5.48	1 05	94	10 10	12 70	13 75	13 20	5.30	5.58	2 64	2 63	6 50
1900.....	7.75	1 37	1 19	13 95	14 60	15 90	15 35	7.50	7.48	2 03	3 05	6 90
1901.....	9.27	2 21	1 31	13 60	16 75	18 15	17 45	7.50	7.15	2 82	2 78	6 70
1902.....	7.92	2 20	1 30	13 35	17 35	19 50	18 60	7.92	7.68	3 25	3 25	9 00
1903.....	9.66	1 45	1 08	15 40	17 00	19 00	18 00	9.25	9.25	3 66	3 66	8 00
1904.....	9.75	1 25	1 00	13 00	18 65	21 20	19 60	8.50	8.50	3 20	3 20	7 30

NOTE.—Butter and Cheese, prime to choice; Potatoes, standard, on arrival at railroads; Apples, green, prime to choice; Apples and Peaches, dried, prime to choice; from 1895, Peaches represent California product. All prices refer to lots in store, excepting as noted. Clover, Timothy and Flaxseed, prime to choice, on arrival; Hay, Bran and Middlings, on arrival; Coal, as indicated; Anthracite, delivered.

AVERAGE ANNUAL PRICES OF STAPLE PRODUCTS.

Average annual prices of Staple Articles indicated, at Cincinnati, for commercial years ending August 31, to 1891-92, and calendar years subsequently:

YEARS.	Cattle, gross. 100 Lbs.	Sheep, gross. 100 Lbs.	Hogs, gross. 100 Lbs.	Pork Barrels. Each.	Whisky Barrels. Each.	Ohio River Salt. Bbl.	Leaf Tobacco. Lb.	Cotton, Middling. Lb.	Tallow. Lb.	Hides. Lb.	Leather. Lb.	Wool. Lb.
1884-85.....	\$3 53	\$3 99	\$4 44	82	\$1 42	\$1 00	9.50	10.42	6.18	9.22	29.87	28.52
1885-86.....	3 24	4 13	3 82	83	1 39	97	8.00	9.17	4.82	9.70	29.46	30.07
1886-87.....	2 98	4 10	4 28	81	1 35	87	10.80	9.72	4.22	9.17	30.78	31.10
1887-88.....	3 04	4 58	5 18	78	1 29	94	15.00	9.88	4.56	7.98	29.25	27.37
1888-89.....	2 84	4 46	5 15	85	1 44	98	10.25	10.24	5.12	7.00	29.49	29.56
1889-90.....	2 90	4 84	3 74	83	1 50	90	9.25	11.04	4.52	6.77	27.82	30.15
1890-91.....	3 28	4 83	3 64	79	1 51	98	9.00	9.25	4.90	5.75	27.70	29.67
1891-92.....	3 17	4 79	3 90	70	1 52	92	9.75	7.60	4.67	4.66	26.87	26.87
1892.....	3 22	4 86	5 05	71	1 52	92	10.00	7.78	4.65	4.44	26.31	26.50
1893.....	3 61	4 20	6 90	76	1 52	89	11.85	8.38	5.56	4.00	23.84	25.70
1894.....	3 35	3 10	5 10	79	1 52	84	10.06	6.93	5.15	3.66	22.44	19.60
1895.....	3 85	3 80	4 35	78	1 60	84	9.40	7.04	4.67	6.02	26.60	18.58
1896.....	3 40	3 15	3 50	81	1 58	75	6.95	7.57	3.75	5.52	23.96	17.81
1897.....	3 54	3 78	3 30	80	1 53	75	8.05	6.96	3.59	7.73	25.92	24.45
1898.....	3 70	3 87	3 85	80	1 51	77	9.10	5.69	3.90	8.71	25.96	24.96
1899.....	3 85	3 77	4 05	71	1 79	82	7.95	6.30	4.71	8.57	27.27	21.85
1900.....	4 00	3 72	5 10	70	1 88	1 04	8.52	9.38	5.13	7.99	29.11	25.64
1901.....	3 78	3 34	5 95	78	1 88	1 08	7.90	8.38	5.56	7.63	30.14	23.35
1902.....	4 10	3 80	6 80	92	1 88	80	8.10	8.65	6.75	7.70	30.50	23.50
1903.....	3 50	3 80	6 05	99	1 88	83	8.35	10.95	5.05	7.00	28.10	25.50
1904.....	3 40	3 70	5 25	108	1 98	90	10.05	11.60	4 80	8.25	30.10	30.00

YEARS.	Linseed Oil. Gal.	Lard Oil. Gal.	Carbon Oil, 120° flash test Gal.	Turpentine Gal.	Rice, Louisiana Lb.	Feathers. Lb.	Hops. Lb.	Peanut, White. Lb.	Lead. Lb.	Nails. Keg.	Candles. Lb.	Bark, Tanners'. Cord.
1884-85.....	49	58	8.98	33.24	5.94	48	18.66	3.41	3.65	\$2 18	12.62	\$11 02
1885-86.....	41	51	8.65	37.50	5.16	45	13.95	3.78	4.50	2 26	10.25	12 61
1886-87.....	40	55	8.04	37.98	4.68	40	25.35	3.64	4.30	2 24	8.09	12 43
1887-88.....	50	61	8.16	39.29	5.54	40	15.80	3.63	4.42	1 97	8.42	12 22
1888-89.....	57	68	8.19	45.46	5.06	44	22.46	5.57	3.82	1 87	9.14	10 91
1889-90.....	59	57	8.38	44.94	5.11	42	17.40	6.50	3.94	2 26	8.50	13 64
1890-91.....	53	52	7.82	41.06	5.38	41	34.98	3.50	4.44	1 84	8.46	11 87
1891-92.....	37	54	6.32	35.74	5.01	43	24.47	3.00	4.14	1 66	9.08	10 48
1892.....	40	61	6.25	35.30	4.65	45	26.18	4.00	4.00	1 69	8.80	11 04
1893.....	45	86	6.25	34.35	4.31	41	23.07	4.00	3.60	1 36	8.97	11 17
1894.....	50	64	6.25	33.21	4.93	35	16.13	2.10	3.07	1 20	8.31	10 15
1895.....	51	55	7.87	32.30	4.31	37	9.25	3.88	3.12	1 63	8.04	9 50
1896.....	35	46	7.30	29.35	4.12	40	8.40	4.23	2.81	2 38	7.44	9 20
1897.....	32	38	6.75	29.32	5.24	35	12.20	3.54	3.55	1 69	6.57	9 25
1898.....	39	45	6.86	34.61	6.03	34	15.90	3.91	3.77	1 48	6.72	8 90
1899.....	44	43	7.87	48.69	5.97	40	16.95	3.41	4.46	2 04	6.98	10 00
1900.....	63	54	9.02	49.48	5.75	43	13.30	3.63	4.20	2 54	8.17	10 50
1901.....	63	65	8.23	38.24	5.86	43	15.65	3.42	4.07	2 30	9.50	11 15
1902.....	59	78	8.23	49.84	5.86	45	22.50	3.50	4.10	2 45	9.50	12 65
1903.....	41	78	10.85	59.15	6.80	51	26.10	4.00	6.45	2 30	9.36	13 25
1904.....	41	61	10.70	60.50	6.10	48	31.40	5.15	4.50	1 92	9.23	12 35

NOTE.—Cattle, prime beef; Sheep, good to extra mutton; Hogs, average of packing grades; Salt, Ohio River and Kanawha, barrel of 280 pounds; Leaf Tobacco, white burley, basis of sales of all grades, prior to 1889; subsequently, the general average price realized for all grades. Cotton, middling; Tallow, prime city-rendered; Hides, light to heavy, wet salted; Leather, best light to heavy city-tanned, oak sole; Wool, Ohio, fleece-washed, to 1896, washed combings since; Rice, fancy head; Feathers, prime; Hops, choice; Nails, 12d; Candles, star.

YEARLY MOVEMENT OF GRAIN.

Receipts and shipments of Wheat, Corn, Oats, Barley and Rye, representing bushels, at Cincinnati, for commercial years ending August 31, to 1891-92, and calendar years subsequently :

YEARS.	WHEAT.		CORN.		OATS.		BARLEY.		RYE.	
	Receipts.	Shipm'ts.	Receipts.	Shipm'ts.	Receipts.	Shipm'ts.	Receipts.	Shipm'ts.	Receipts.	Shipm'ts.
1878-79.....	3,834,722	3,383,387	4,359,549	915,390	1,398,572	305,307	1,180,652	264,648	489,780	153,859
1879-80.....	4,289,555	3,799,166	5,744,246	1,730,282	1,534,401	354,287	1,555,107	159,769	573,925	307,471
1880-81.....	2,908,675	1,873,070	7,737,066	2,806,052	2,248,527	676,675	1,880,467	104,154	789,347	396,969
1881-82.....	4,166,245	3,126,492	8,180,846	3,910,408	2,512,364	914,516	1,786,383	82,137	701,056	321,295
1882-83.....	3,305,214	2,077,743	4,792,473	1,196,730	2,124,957	522,519	2,019,531	65,459	750,401	165,997
1883-84.....	3,107,000	2,342,649	5,519,625	1,783,057	3,063,422	1,296,737	1,527,622	82,697	453,053	109,490
1884-85.....	1,931,582	1,185,105	6,433,623	2,895,493	3,633,812	1,973,831	1,610,784	122,217	537,739	194,250
1885-86.....	3,375,472	2,502,261	6,386,644	2,795,237	3,903,953	2,120,282	1,547,483	205,370	608,026	247,912
1886-87.....	2,426,301	1,616,646	6,731,719	2,975,090	5,280,071	3,459,756	2,054,388	152,148	470,334	172,436
1887-88.....	1,954,494	1,052,687	5,878,935	2,391,596	6,354,100	4,186,908	1,851,860	93,511	397,594	126,669
1888-89.....	1,383,599	965,262	6,661,396	3,143,854	5,642,093	3,292,897	1,877,664	175,312	509,534	305,065
1889-90.....	1,257,093	908,512	6,835,161	2,716,545	5,085,746	2,765,143	2,190,646	177,208	556,977	327,910
1890-91.....	2,133,748	1,705,901	6,126,482	2,210,577	4,092,734	1,918,730	1,740,984	97,617	509,649	251,356
1891-92.....	1,971,600	1,475,115	5,509,601	1,864,535	5,224,537	2,721,264	1,930,470	37,581	462,203	202,759
1892.....	2,093,551	1,653,045	5,234,330	1,664,315	4,636,305	2,327,257	1,954,847	42,575	443,219	273,463
1893.....	2,084,546	1,786,009	7,077,860	3,825,555	5,428,247	2,918,737	1,381,220	92,404	484,979	219,218
1894.....	2,399,982	2,052,353	10,744,781	7,316,340	4,479,437	2,159,724	1,310,447	20,161	417,117	153,077
1895.....	2,030,682	1,647,274	8,892,763	5,710,115	5,418,652	2,987,595	1,065,862	28,255	433,458	178,836
1896.....	1,483,702	1,093,152	13,498,423	10,333,897	4,681,513	2,490,656	1,275,340	6,261	361,639	142,326
1897.....	2,010,842	1,551,091	15,901,253	13,016,832	7,627,932	5,637,110	1,092,828	73,720	567,483	264,769
1898.....	2,601,882	2,223,378	15,121,379	12,343,588	6,217,382	4,280,471	1,116,549	35,551	372,577	115,837
1899.....	1,356,390	887,920	6,853,790	4,117,467	3,750,416	1,698,896	1,033,010	201,344	433,273	189,252
1900.....	2,961,211	2,270,728	14,605,973	10,902,716	7,392,957	4,315,478	1,173,742	222,168	442,215	162,653
1901.....	4,111,548	3,698,511	11,783,145	7,781,473	9,260,765	6,568,562	1,094,427	55,471	612,206	258,890
1902.....	4,988,822	4,412,414	7,820,048	4,355,272	5,883,009	3,427,516	817,909	8,541	523,024	177,334
1903.....	2,830,463	2,354,036	10,453,465	7,110,679	5,890,504	3,735,660	886,755	28,341	520,695	234,817
1904.....	2,124,447	1,625,385	12,848,217	9,217,189	6,034,074	3,586,492	1,038,936	35,872	601,923	166,678

LOCAL AND TOTAL MOVEMENT OF GRAIN.

Movement of Grain, representing bushels, at Cincinnati, showing the local movement and aggregate, including Grain on through bills of lading, for commercial years ending August 31, to 1891-92, and calendar years subsequently :

YEARS.	LOCAL MOVEMENT.		INCLUDING GRAIN IN TRANSIT.	
	Receipts.	Shipments.	Receipts.	Shipments.
1890-91.....	10,862,747	2,443,331	14,603,597	6,184,181
1891-92.....	8,749,450	1,551,804	15,098,411	6,301,264
1892.....	9,643,152	1,241,555	14,362,252	5,960,655
1893.....	11,118,202	3,503,273	16,456,852	8,841,923
1894.....	10,868,614	3,218,505	19,351,764	11,701,653
1895.....	10,334,517	3,045,175	17,841,417	10,532,075
1896.....	11,133,217	3,898,892	21,300,617	14,066,292
1897.....	12,076,888	5,420,072	27,200,338	20,543,522
1898.....	9,101,719	2,670,775	25,429,769	18,996,825
1899.....	9,128,079	2,796,079	13,426,879	7,094,879
1900.....	13,530,198	4,827,843	26,576,098	17,873,743
1901.....	14,347,191	5,848,007	26,862,091	18,362,907
1902.....	13,845,712	6,193,977	20,032,812	12,381,077
1903.....	15,431,482	8,513,133	20,581,882	13,663,533
1904.....	18,097,097	10,081,116	22,647,597	14,631,616

YEARLY RANGE AND AVERAGE PRICES OF GRAIN.

Lowest and highest range and average yearly quotations, per bushel, at Cincinnati, for No. 2 Red Wheat; No. 2 Shelled Corn, from 1902 to 1904 (Mixed Ear previously); Oats, representing No. 1 Mixed from 1870-71 to 1873-74, inclusive, and No. 2 Mixed from 1874-75 to 1904, inclusive; No. 2 Rye, and yearly average for No. 2 Fall Barley, for commercial years to 1891-92, and calendar years subsequently:

YEARS.	WHEAT.		CORN.		OATS.		RYE.		BARLEY.
	Range.	Average.	Range.	Average.	Range.	Average.	Range.	Average.	Average.
1873-74.....	\$1 03 @ 1 60	\$1 88	42 @ 75	60	33 @ 63	48	70 @ 1 20	93	1 51
1874-75.....	1 03 @ 1 75	1 16	58 @ 87	72	44 @ 71	59	83 @ 1 28	1 08	1 41
1875-76.....	1 00 @ 1 50	1 10	40 @ 73	51	30 @ 60	38	55 @ 87	74	1 20
1876-77.....	1 06 @ 2 15	1 41	40 @ 57	46	28 @ 52	37	55 @ 1 05	74	90
1877-78.....	85 @ 1 35	1 11	38 @ 49	42	26 @ 30	29	52 @ 66	59	52
1878-79.....	85 @ 1 15	96	31 @ 45	37	22 @ 36	27	49 @ 62	54	1 00
1879-80.....	93 @ 1 37	1 16	42 @ 51	42	28 @ 41	34	54 @ 95	82	89
1880-81.....	88 @ 1 39	1 10	40 @ 87	49	30 @ 46	38	83 @ 1 35	1 04	98
1881-82.....	95 @ 1 50	1 32	56 @ 87	72	37 @ 64	50	68 @ 1 17	94	1 06
1882-83.....	95 @ 1 17	1 05	44 @ 76	54	28 @ 48	39	51 @ 70	62	76
1883-84.....	80 @ 1 10	1 01	40 @ 62	53	25 @ 45	34	54 @ 71	62	76
1884-85.....	72 @ 1 09	89	37 @ 59	47	25 @ 41	32	53 @ 75	68	80
1885-86.....	74 @ 1 00	88	32 @ 48	39	25 @ 34	30	53 @ 69	68	86
1886-87.....	71 @ 89	80	34 @ 55	40	26 @ 32	29	46 @ 66	58	61
1887-88.....	71 @ 96	85	44 @ 61	52	26 @ 38	33	50 @ 73	62	81
1888-89.....	73 @ 1 15	93	30 @ 49	37	20 @ 29	26	41 @ 65	52	78
1889-90.....	75 @ 1 02	83	27 @ 56	36	21 @ 40	27	41 @ 72	50	57
1890-91.....	82 @ 1 16	99	49 @ 77	60	31 @ 58	48	61 @ 1 05	81	77
1891-92.....	73 @ 1 01	90	39 @ 67	48	30 @ 39 1/2	33	62 @ 97 1/2	85	70
1892.....	65 @ 93	81	39 @ 53	45	32 @ 36 1/4	33	52 1/2 @ 89	73	69
1893.....	52 @ 75	64	35 1/2 @ 51	44	20 @ 36	32	48 @ 68	55	64
1894.....	48 @ 60	54	35 1/2 @ 59 1/2	45	29 1/2 @ 54	35	41 1/2 @ 56	52	60
1895.....	53 @ 90	66	24 1/2 @ 56	41	19 @ 34 1/2	27	40 @ 75	53	56 1/2
1896.....	55 @ 97	72	18 1/2 @ 33	27	15 1/2 @ 23	20	26 1/2 @ 44	38	36
1897.....	70 @ 1 00	89	20 @ 33	26	16 1/4 @ 25	21	33 @ 52	41	39
1898.....	64 @ 1 45	86	27 1/2 @ 41	34	21 1/2 @ 34 1/2	27	40 @ 80	51	47
1899.....	68 @ 77	72	29 @ 40	36	21 1/2 @ 31 1/2	27	56 @ 68	62	52
1900.....	70 @ 89	75	34 @ 47	41	21 @ 28	25	51 1/2 @ 67	59	53
1901.....	64 @ 90	77	39 @ 74 1/2	52	25 @ 50 1/4	34	45 @ 73	60	54
1902.....	68 @ 92	80	44 @ 69	61	27 @ 57	41	51 @ 71 1/2	58	56
1903.....	74 1/2 @ 92	81	40 @ 54 1/4	47	31 1/2 @ 43 1/2	37	54 @ 63	58	56
1904.....	92 1/2 @ 1 25	1 08	45 1/2 @ 59	51	31 @ 44 1/2	38	61 @ 87	77	56

* Extra No. 3 Spring Barley.

MONTHLY PRICES OF WHEAT.

Monthly range of quotations for No. 2 Red Wheat, per bushel, at Cincinnati:

MONTHS.	1904	1903	1902	1901	1900	1899	1898	1897
January.....	92 1/2 @ 98 1/2	77 1/2 @ 80 1/2	89 @ 92 1/2	79 @ 82	70 @ 73	70 1/2 @ 77	91 @ 97	88 @ 95
February.....	97 @ 1 12	79 @ 80 1/2	86 1/2 @ 91	78 1/2 @ 80	73 @ 74	71 1/2 @ 75 1/2	95 @ 1 00	88 @ 90
March.....	1 00 @ 1 08	74 1/2 @ 79	78 @ 87	78 @ 80	71 @ 74	70 @ 75	95 @ 98	88 @ 92
April.....	1 04 @ 1 09	75 @ 77	78 @ 87	75 @ 79	72 1/2 @ 75	72 @ 75	93 @ 1 10	86 1/2 @ 94 1/2
May.....	1 06 @ 1 12	75 1/2 @ 77	81 1/2 @ 87	74 @ 77 1/2	72 @ 74	70 @ 76	1 08 @ 1 45	82 @ 92
June.....	1 08 @ 1 11	78 @ 82	80 @ 82 1/2	67 @ 76 1/2	72 @ 80	72 @ 75	76 @ 1 08	78 1/2 @ 82 1/2
July.....	94 @ 1 09	76 1/2 @ 80	70 @ 83 1/2	64 @ 68 1/2	76 @ 85	68 1/2 @ 72	66 @ 84 1/2	70 @ 79
August.....	96 @ 1 13	77 1/2 @ 84 1/2	68 @ 71	68 @ 75	73 @ 77	68 @ 72	65 @ 73	74 1/2 @ 1 00
September.....	1 10 @ 1 25	83 1/2 @ 87	70 @ 72	71 1/2 @ 74	75 @ 78 1/2	69 @ 73	64 @ 70	91 @ 96
October.....	1 18 @ 1 23	86 @ 88	71 @ 76	73 @ 75	75 @ 79	71 @ 73 1/2	65 @ 70 1/2	91 @ 97
November.....	1 15 @ 1 20	85 1/2 @ 89	73 1/2 @ 78 1/2	74 @ 79 1/2	75 1/2 @ 77	69 @ 71	67 @ 70	92 @ 96
December.....	1 15 @ 1 21	88 1/2 @ 92	76 1/2 @ 79	79 1/2 @ 80	76 1/2 @ 79	69 @ 71	67 @ 71	92 1/2 @ 95 1/2
YEARS.....	92 1/2 @ 1 25	74 1/2 @ 92	68 @ 92 1/2	64 @ 90	70 @ 89	68 @ 77	64 @ 1 45	70 @ 1 00

MONTHLY PRICES OF CORN.

Monthly range for No. 2 Mixed Corn (shelled), per bushel, at Cincinnati:

MONTHS.	1904	1903	1902	1901	1900	1899	1898	1897
January.....	45½ @ 46½	43½ @ 48½	62 @ 68½	38 @ 40	32½ @ 36	35½ @ 38	28½ @ 30	21½ @ 23½
February.....	45½ @ 47½	46 @ 48	61 @ 64½	39½ @ 42½	33½ @ 36	33 @ 37	29 @ 32	22½ @ 24
March.....	46 @ 51	41½ @ 47	62 @ 64	41½ @ 42½	36 @ 40½	35 @ 37½	31 @ 32	22½ @ 25
April.....	50½ @ 54	40 @ 46	60½ @ 67½	44½ @ 47	41 @ 43½	36½ @ 37½	31 @ 37	25 @ 27½
May.....	51½ @ 56½	45½ @ 47½	64 @ 67½	43½ @ 46½	40½ @ 44	34 @ 36½	35½ @ 39	25½ @ 27
June.....	48 @ 51	48½ @ 54	63½ @ 66½	43½ @ 44½	39½ @ 45	35 @ 36½	33 @ 35	25 @ 26½
July.....	48 @ 53½	50 @ 53	63½ @ 69	45 @ 58	41½ @ 47	35 @ 36½	34 @ 36½	26½ @ 29
August.....	52½ @ 57½	52½ @ 54½	58 @ 64	57½ @ 64	41 @ 43	32 @ 34½	30 @ 31½	28½ @ 32
September.....	55 @ 57	48 @ 53	60 @ 63½	56½ @ 61½	42½ @ 44	33½ @ 35	30 @ 31	30 @ 32
October.....	55½ @ 59	45½ @ 49	60 @ 62½	60 @ 60½	37 @ 43	34 @ 36	30½ @ 35	25 @ 30½
November.....	56½ @ 58½	45½ @ 46	45 @ 60	63 @ 66	37 @ 40	31½ @ 35	34 @ 36½	25½ @ 28
December.....	45½ @ 52	44½ @ 46	44 @ 50	66½ @ 71½	37½ @ 39½	31½ @ 34	35½ @ 38	26 @ 30
YEARS.....	45½ @ 59	40 @ 54½	44 @ 69	38 @ 71½	32½ @ 47	31½ @ 38	28½ @ 39	21½ @ 32

MONTHLY PRICES OF OATS.

Monthly range of quotations for No. 2 Mixed Oats, per bushel, at Cincinnati:

MONTHS.	1904	1903	1902	1901	1900	1899	1898	1897
January.....	38 @ 42½	35 @ 39	46 @ 50	25 @ 27½	25½ @ 26½	28½ @ 31	24 @ 26	18½ @ 20
February.....	41½ @ 44½	37½ @ 39½	46 @ 48	26½ @ 28	25½ @ 26	28½ @ 31½	25½ @ 28½	16½ @ 19½
March.....	41 @ 44½	37 @ 39	45½ @ 47	27½ @ 28	25½ @ 26½	28½ @ 31	27½ @ 29	17½ @ 21
April.....	40 @ 43	33½ @ 37	44 @ 46½	28 @ 29	26 @ 28	29 @ 30½	28 @ 31	20 @ 21½
May.....	41½ @ 42½	33 @ 37½	44 @ 46	30 @ 32	24½ @ 26½	27½ @ 29½	29 @ 34½	19½ @ 22
June.....	40 @ 41½	31½ @ 41½	43 @ 52	29½ @ 30½	24 @ 27	27 @ 29	25½ @ 28	19 @ 22
July.....	40 @ 41½	31½ @ 41½	32½ @ 37	31½ @ 42	25 @ 28	22 @ 28½	21½ @ 27	19½ @ 21½
August.....	32½ @ 40½	33 @ 35½	27 @ 31	37 @ 38	21 @ 25	21½ @ 22½	21½ @ 24½	17 @ 21
September.....	33 @ 34½	35 @ 39	28½ @ 31½	36 @ 38	22½ @ 23½	22½ @ 25½	22 @ 25	19½ @ 21½
October.....	31½ @ 33½	36½ @ 39	30 @ 32	38 @ 39	23 @ 24	24½ @ 26	23 @ 26½	20 @ 21½
November.....	31 @ 33½	35½ @ 37½	29½ @ 34	40 @ 46	23 @ 25	25½ @ 26½	26½ @ 29	20½ @ 24½
December.....	32½ @ 33½	37 @ 39	33 @ 39	47 @ 50½	24 @ 25½	25½ @ 26½	28 @ 30	23½ @ 25
YEARS.....	31 @ 44½	31½ @ 43½	27 @ 57	25 @ 50½	21 @ 28	21½ @ 31½	21½ @ 34½	16½ @ 25

MONTHLY PRICES OF RYE.

Monthly range of quotations for No. 2 Rye, per bushel, at Cincinnati:

MONTHS.	1904	1903	1902	1901	1900	1899	1898	1897
January.....	61 @ 64	55½ @ 59	66 @ 71½	53 @ 58½	59 @ 64	57 @ 65	45½ @ 53	36 @ 44
February.....	63 @ 81	57½ @ 58½	64 @ 67	56 @ 59	61 @ 65	60 @ 65	48 @ 53	36 @ 42
March.....	76 @ 80	56 @ 58½	63 @ 65	55 @ 59	60 @ 64	59 @ 65	52 @ 54½	36 @ 41½
April.....	74 @ 78	55 @ 58	62 @ 64	54 @ 58½	60 @ 63½	60 @ 65	52 @ 66	36 @ 39
May.....	75 @ 80	54 @ 58	60 @ 63½	57 @ 62	61 @ 63½	62 @ 68	52 @ 80	35 @ 42½
June.....	76 @ 80	57 @ 58	54 @ 59	55 @ 61	61 @ 67	64 @ 68	40 @ 51	33 @ 39
July.....	73 @ 78	56 @ 57½	55½ @ 58	45 @ 56½	59 @ 66	57 @ 67	40 @ 45	33 @ 36
August.....	70 @ 76½	55 @ 60	51 @ 56	52½ @ 64	51½ @ 60	56 @ 60	45 @ 50	35 @ 52
September.....	75 @ 83	59½ @ 63	52½ @ 55½	56½ @ 60	53 @ 57	58 @ 65	45 @ 48½	46 @ 50
October.....	81 @ 87	61 @ 63	52 @ 53	56½ @ 59½	55 @ 59	61½ @ 65½	48 @ 57	45 @ 47
November.....	83 @ 87	58 @ 62	51 @ 54	57 @ 65½	52 @ 56	59 @ 64	56 @ 59	46 @ 47
December.....	81 @ 86	59 @ 62½	51 @ 56	64½ @ 73	52 @ 55½	60 @ 65½	56 @ 58½	46 @ 48
YEARS.....	61 @ 87	54 @ 63	51 @ 71½	45 @ 73	51½ @ 67	56 @ 68	40 @ 80	33 @ 52

PRICES OF WHEAT AND RYE.

Quotations for No. 2 Red Winter Wheat and No. 2 Rye, per bushel, at Cincinnati, on Tuesday of each week, in three years:

No. 2 RED WINTER WHEAT.				No. 2 RYE.			
DATES.	1904	1903	1902	DATES.	1904	1903	1902
January 5..	92½ @ 98	78	91½ @ 92	January 5..	61 @ 62	55½ @ 56	70½
12..	94 @ 94½	78 ⑦ 78½	91	12..	61 @ 62	56	70
19..	96 @ 97	79½ @ 80	90 @ 90½	19..	62 @ 63	57	67
26..	98	80	89 @ 89½	26..	63 @ 63½	57½	66
February 2..	98 @ 98½	79 ⑦ 79½	90 @ 90½	February 2..	64 @ 68	58	66
9..	98½ @ 99	80½	89½ @ 90	9..	64 @ 68	58½	66
16..	1 02 @ 1 03	79½	90	16..	68 @ 70	58	66
23..	1 09 @ 1 10	79 ⑦ 79½	86½	23..	79 @ 80	58½	64 ⑥ 64½
March 1..	1 03 @ 1 07	79	86 ⑥ 86½	March 1..	79 @ 80	58 ⑥ 58½	64 ⑥ 65
8..	1 00	77	85½	8..	78 @ 79	58	63 ⑥ 64
15..	1 04 @ 1 05	77	83 ⑥ 83½	15..	78 @ 79	57	63
22..	1 03 @ 1 04	75	79½ @ 80	22..	76 @ 78	58	63
29..	1 06 @ 1 07	75½ ⑥ 75½	78 ⑦ 78½	29..	76 @ 78	56	63
April 5..	1 08 @ 1 09	76 ⑦ 76	79	5..	76 @ 78	55	63
12..	1 06½ @ 1 07	76 ⑦ 77	82 ⑥ 82½	12..	76 @ 78	56½ ⑥ 57	62½ ⑥ 63
19..	1 06½ @ 1 07	76	85 ⑥ 85½	19..	76 @ 78	57 ⑥ 57½	62½
26..	1 05 @ 1 06	75½	86 ⑥ 86½	26..	75 @ 76	57 ⑥ 58	64
May 3..	1 06 @ 1 07	76	86	3..	76 @ 78	57	62½
10..	1 08 @ 1 08½	75½ ⑥ 76	86½	10..	78 @ 79	55½	62 ⑥ 62½
17..	1 09 @ 1 10	76 ⑦ 76½	84½	17..	78 @ 79	54	62 ⑥ 62½
24..	1 09 @ 1 10	76 ⑦ 76½	82½	24..	79 @ 80	57	61
31..	1 10 @ 1 11	78 ⑦ 78½	80½ ⑥ 81	31..	79 @ 80	57½	59
June 7..	1 10½	78½ ⑦ 79	82	7..	79 @ 80	58	57
14..	1 03 @ 1 04	78½	81½ ⑥ 82	14..	79 @ 80	57 ⑥ 58	57
21..	1 05	79 ⑦ 79½	81½	21..	79 @ 80	57 ⑥ 58	54
28..	1 03½ @ 1 04½	79	83½	28..	79 @ 80	58	55½
July 5..	1 06 @ 1 06½	80	81 ⑥ 82	5..	76 @ 78	58	55½
12..	1 08 @ 1 08½	78½ ⑦ 79	81 ⑥ 82	12..	74 @ 76	57½	56½
19..	1 00	78	72 ⑦ 73	19..	74 @ 76	57	58
26..	94 @ 95	77 ⑦ 77½	70 ⑦ 71	26..	73 @ 75	56	58
August 2..	97	78 ⑦ 78½	70	2..	74 @ 76	56 ⑥ 57	56
9..	99 @ 1 00	79½ ⑦ 80	68½	9..	74 @ 76	57 ⑥ 57½	55 ⑥ 56
16..	1 00 @ 1 01	82½ ⑦ 83	69	16..	71 @ 73	58 ⑥ 58½	52 ⑥ 52½
23..	1 10 @ 1 12	83	71	23..	71 @ 73	58 ⑥ 58½	52 ⑥ 53
30..	1 10 @ 1 12	84 ⑥ 84½	71	30..	75 @ 76½	59	52½ ⑥ 53½
September 6..	1 10 @ 1 11	86½ ⑦ 87	70½	6..	75 @ 76	61	53
13..	1 15	86½ ⑦ 87	70½	13..	76 @ 78	62 ⑥ 62½	55½
20..	1 15 @ 1 16	84 ⑥ 84½	71 ⑥ 71½	20..	78 @ 80	62 ⑥ 63	55
27..	1 18 @ 1 20	84½ ⑦ 85	71	27..	78 @ 80	62 ⑥ 62½	53
October 4..	1 20 @ 1 22	87 ⑦ 87½	71 ⑦ 72	4..	81 @ 83	62 ⑥ 62½	52½
11..	1 18 @ 1 20	87	73½	11..	85 @ 86½	62½ ⑥ 63	52½
18..	1 20 @ 1 22	87½ ⑦ 88	74 ⑦ 75½	18..	85 @ 86½	61 ⑥ 62½	53
25..	1 20 @ 1 22	86 ⑦ 87	75 ⑦ 75½	25..	85 @ 86	61 ⑥ 62	53
November 1..	1 18 @ 1 20	86½	74½	1..	85 @ 87	61 ⑥ 61½	54
8..	1 18 @ 1 20	86	75	8..	84 @ 86	59½ ⑥ 61	55
15..	1 17 @ 1 19	86	75½ ⑦ 76	15..	83 @ 85	59 ⑥ 61	51 ⑥ 52
22..	1 16 @ 1 18	87½ ⑦ 88	77 ⑦ 77½	22..	84 @ 86½	58 ⑥ 60½	51½
29..	1 15 @ 1 17	88½ ⑦ 89	77 ⑦ 77½	29..	84 @ 86	58 ⑥ 60	51 ⑥ 52
December 6..	1 16 @ 1 18	90	78 ⑦ 78½	6..	81 @ 82	58 ⑥ 60	54
13..	1 16 @ 1 18	89 ⑦ 89½	77 ⑦ 78	13..	81 @ 82	59 ⑥ 61	53½ ⑥ 54
20..	1 16 @ 1 18	90½ ⑦ 91	78 ⑦ 78½	20..	81 @ 82	59 ⑥ 61	55 ⑥ 56
27..	1 18 @ 1 20	90½ ⑦ 91	78 ⑦ 78½	27..	81 @ 82	61 ⑥ 62½	56

* New.

Months of lowest and highest prices of Wheat, in years indicated:

YEARS.	Lowest.	Highest.	YEARS.	Lowest.	Highest.
1896.....	July.....	December.....	1901.....	July.....	December.
1897.....	July.....	August.....	1902.....	August.....	January.
1898.....	September.....	May.....	1903.....	March.....	December.
1899.....	August.....	January.....	1904.....	January.....	October.
1900.....	January.....	June.....			

PRICES OF CORN.

Quotations of Mixed Ear Corn and No. 2 Mixed Corn (shelled), per bushel, at Cincinnati, on Tuesday of each week, in three years:

MIXED EAR CORN.				No. 2 MIXED CORN (SHELLED).			
DATES.	1904	1903	1902	DATES.	1904	1903	1902
January 5.....	45 @46	45	73 @73½	January 5.....	48½	68	
12.....	45½ @46	45 @46	67	12.....	45½	66½	
19.....	46½ @47	48	66	19.....	47	64½	
26.....	46 @47	47½ @48	64 @65	26.....	48 @48½	62	
February 2.....	47 @48	45 @46	64 @65	February 2.....	47	63½	
9.....	47½ @48	46	65 @66	9.....	47½	64	
16.....	52	46	66 @67	16.....	46½ @47	64	
23.....	50½	48½	68 @64	23.....	47	61 @61½	
March 1.....	49 @50½	48½	68 @64	March 1.....	46½	63	
8.....	47 @49½	47½	64 @65	8.....	47½	62½	
15.....	48 @49	46	66 @67	15.....	47½ @48	64	
22.....	47 @48	44	66 @67	22.....	47½	62	
29.....	50 @50½	45	63½	29.....	49½ @50	62	
April 5.....	52	46	63 @64	April 5.....	53 @54	60½ @61	
12.....	54 @55	45½	64½ @65½	12.....	53½ @54	65 @65½	
19.....	54½ @55	48	65	19.....	52½ @53	67	
26.....	54 @55½	48 @48½	66½ @67	26.....	50½ @51	67	
May 3.....	55½ @56½	45	65½ @66	May 3.....	51½ @52	67	
10.....	55½ @56½	46 @47	67½	10.....	51 @52	66½	
17.....	55½ @56	47	65½	17.....	51½ @53½	66	
24.....	56 @57	47½	65½ @66	24.....	54	65	
31.....	54 @55	47½	64	31.....	51½	64½	
June 7.....	51 @52	49	64½	June 7.....	50½	64½	
14.....	50 @50½	50 @50½	64½	14.....	50	65½	
21.....	50	53 @54	65	21.....	48½ @49	64½ @65	
28.....	50 @51	53 @53½	70 @72	28.....	49	68½	
July 5.....	54 @55	54 @55	68½ @70	July 5.....	48½ @49	67 @68	
12.....	56	56	69	12.....	51½ @52	66	
19.....	56	56	68 @69	19.....	52 @52½	67	
26.....	55½ @56	56	67	26.....	53 @53½	64½ @64½	
August 2.....	55½ @56½	56½ @57	64 @65	August 2.....	52½	64	
9.....	56½	52½ @54	60	9.....	53½ @54	60	
16.....	57½	52 @53	57 @59	16.....	54½ @55	58	
23.....	56 @57	52½	57 @58	23.....	56½ @57	60	
30.....	56½ @57	53 @53½	57 @58	30.....	55	60	
September 6.....	56½ @57	54 @55	62	September 6.....	55	62	
13.....	57	53 @54	60½	13.....	55½	62½	
20.....	56 @57½	54	61	20.....	56	61½	
27.....	56 @57	50½ @51	59	27.....	55½	60	
October 4.....	57 @58	50 @50½	60	October 4.....	55½ @56	62	
11.....	57 @58	50½ @51	59	11.....	56½ @57	62	
18.....	56 @57	51 @51½	59	18.....	57 @57½	62	
25.....	58 @59	54 @56	59	25.....	58 @58½	60	
November 1.....	58 @59	42 @44	56	November 1.....	57	57	
8.....	45 @46	42 @43	36	8.....	56½ @57	56½	
15.....	46	42 @43	41	15.....	58	46½ @46½	
22.....	46 @46½	43 @44	41	22.....	58	46	
29.....	46 @46½	45 @46	44	29.....	48	46	
December 6.....	47	46 @46½	45 @46	December 6.....	46½	47	
13.....	46 @46½	45½ @46	47½ @48	13.....	45	48½ @49	
20.....	46 @47	44 @45	44½ @45	20.....	45 @45½	44½	
27.....	47 @47½	43½ @45	42 @43	27.....	45 @45½	44 @44½	

NOTE.—Ear Corn represents new grain from November 8, and Shelled from November 29, for 1904, representing No. 3 Corn.

Range of prices of No. 2 White Shelled Corn, at Cincinnati, monthly, in 1904:

January.....	46 @46½	April.....	51 @55	July.....	49 @54½	October.....	55½ @59½
February.....	46 @48	May.....	51½ @57	August.....	54 @58	November.....	57 @59
March.....	46½ @51½	June.....	48½ @52½	September.....	55 @57½	December.....	45 @49½

NOTE.—General average for the year, 52. December quotations are for No. 3 Corn.

PRICES OF OATS.

Quotations for No. 2 Mixed Oats and No. 2 White Oats, per bushel, at Cincinnati, on Tuesday of each week, in three years:

No. 2 MIXED OATS.				No. 2 WHITE OATS.			
DATES.	1904	1903	1902	DATES.	1904	1903	1902
January 5.....	38 @38½	35 @35½	50	January 5.....	40 @40½	37	51
12.....	39 @40	36	49 @49½	12.....	41 @41½	37 @37½	50½@51
19.....	42	37½@38	49½	19.....	43 @43½	38½@39	51½
26.....	41 @41½	39	46	26.....	43 @43½	39½@40	48
February 2.....	42 @42½	37½@38	47 @47½	February 2.....	44 @44½	39 @39½	48½@49
9.....	42 @42½	38½@39	46½@47	9.....	44 @44½	39½@40	47½@48
16.....	43 @43½	38	46½@47	16.....	45 @45½	40	48 @48½
23.....	43½	38	46	23.....	46 @46½	41	47 @47½
March 1.....	44½	38½	45½@46½	March 1.....	46 @46½	40	47 @47½
8.....	44	38½	45½@46	8.....	45 @45½	40 @41	47½@48
15.....	44½	38	47	15.....	46 @46½	40	47½@48
22.....	41	37 @37½	46	22.....	45 @45½	38 @38½	47 @47½
29.....	42 @42½	37 @37½	45½	29.....	45 @45½	38 @38½	46½
April 5.....	42 @42½	35 @36½	46 @46½	April 5.....	44 @44½	37 @37½	47½
12.....	41 @41½	33½@34	45 @45½	12.....	42 @42½	35 @35½	47
19.....	41 @41½	34 @34½	44 @44½	19.....	43 @43½	37 @37½	45½
26.....	40 @40½	33½@34	45	26.....	43 @43½	37 @37½	46½@47
May 3.....	41 @41½	33½	44½@45	May 3.....	44 @44½	35 @35½	46½
10.....	42 @42½	34½	45	10.....	44 @44½	36 @36½	46½@47
17.....	42 @42½	36½@37	45½@46	17.....	46 @46½	38 @38½	47½
24.....	42	36 @36½	44½	24.....	44 @44½	38 @38½	46½@47
31.....	42 @42½	36½	43 @43½	31.....	43 @43½	40 @40½	44½@45½
June 7.....	43 @43½	36½	44½@45	June 7.....	45	40 @40½	46½@47
14.....	43	39½	45	14.....	45½@46	42	47
21.....	42½@42¾	43	47	21.....	45	45 @46	49
28.....	41	40½@41	55	28.....	44 @44½	42	56
July 5.....	40½@41	40½	54½	July 5.....	44	44 @44½	55½@56
12.....	40 @40½	40½	54½	12.....	43 @43½	43½	56
19.....	41	37½@38	57	19.....	43½	38 @40	58
26.....	40½	37½@38	50	26.....	41	33 @34	53 @54
August 2.....	39½@40½	34½	29 @29½	August 2.....	42½@43	36	45
9.....	33½	34 @34½	27	9.....	34½@35	36 @36½	36
16.....	33½	34 @34½	27½@28½	16.....	35 @35½	35½@36	35
23.....	33½	34½	29½@30	23.....	35 @35½	36	36
30.....	33½	35 @35½	28½@29½	30.....	35	37 @37½	35
September 6.....	33 @33½	37 @37½	29½@29¾	September 6.....	38½	41 @41½	34
13.....	33½	38	30½@30¾	13.....	34½@35	41	34
20.....	33½@34	38½	31	20.....	34½@35	41	31½
27.....	33 @33½	38 @38½	30	27.....	33½@34	39½@40	34
October 4.....	33½@33¾	38 @38½	31	October 4.....	35 @35½	39½@40½	34
11.....	32½	38 @38½	31½	11.....	33	39 @39½	34
18.....	31½@32½	37	30½@31¼	18.....	33	39½@39¾	34
25.....	31½@31¾	36½@37	30 @30½	25.....	32½	38½	33
November 1.....	31½	36½@36¾	30 @30½	November 1.....	32½@32¾	38½@39	35½@36
8.....	31 @31½	35½@36	30½@31	8.....	33	39 @39½	35½@36
15.....	32½	36½	32½@32¾	15.....	33	39 @39½	35½@36
22.....	33 @33½	36½@37	32½@33	22.....	33½@34	39 @39½	35½@36
29.....	32½@33	37 @37½	33	29.....	33	39 @40	36
December 6.....	33	38½@39	35	December 6.....	39½	41 @41½	36½@37
13.....	33	38½	38	13.....	34	40½	39 @40
20.....	33 @33½	38½@39	37	20.....	34	40	37
27.....	33½	37½@37¾	36	27.....	34	40	37

* New.

PRICES OF MALT.

Prices of Spring Barley Malt ranged during the year by months as follows:

January.....	66@72	April.....	68@74	July.....	68@74	October.....	68@74
February.....	66@74	May.....	68@74	August.....	68@74	November.....	58@74
March.....	68@74	June.....	68@74	September.....	68@74	December.....	58@65

NOTE.—General average for the year 1904, 69.

MONTHLY RECEIPTS AND SHIPMENTS OF GRAIN.

Monthly receipts and shipments of Grain, in bushels, at Cincinnati, for the year ending December 31, 1904, exclusive of through movement:

MONTHS.	RECEIPTS.					SHIPMENTS.				
	WHEAT.	CORN.	OATS.	RYE.	BARLEY.	WHEAT.	CORN.	OATS.	RYE.	BARLEY.
January.....	136,214	1,045,318	289,636	44,750	132,000	129,171	684,046	141,108	15,646	2,426
February....	145,277	1,029,438	303,374	49,045	122,250	83,126	631,506	173,565	19,013	4
March.....	192,390	796,196	558,849	49,896	129,027	170,766	787,516	203,219	27,953	1,088
April.....	170,588	812,902	290,732	38,396	47,899	156,401	412,095	157,375	19,371	72
May.....	102,960	924,837	318,033	55,276	40,006	62,647	564,841	212,083	6,543	4,022
June.....	116,362	1,153,898	378,047	61,724	28,000	123,108	811,404	172,534	2,215	8
July.....	156,567	485,466	243,454	21,189	11,000	67,720	411,684	107,550	1,136	10,028
August.....	253,248	649,272	888,163	32,443	2,000	170,592	446,314	513,399	1,636	1,000
September...	132,439	724,516	584,451	40,546	25,102	132,231	415,176	386,672	5,787	3,000
October.....	257,194	318,874	495,194	59,892	235,312	118,727	242,271	221,991	7,981	1,184
November....	175,274	490,402	367,637	79,568	101,340	138,621	106,506	160,383	11,287	8
December....	94,934	1,187,098	324,014	43,198	152,000	81,280	425,830	94,173	22,050	32
Totals.....	1,933,447	9,570,217	4,991,594	575,923	1,025,936	1,434,385	5,939,189	2,543,992	140,618	22,872

STOCKS OF FLOUR.

Stocks of Flour, at Cincinnati, on date indicated, representing barrels:

DATES.	WHEAT.	RYE.	TOTAL.	DATES.	WHEAT.	RYE.	TOTAL.
June 1, 1894.....	47,888	1,385	49,273	January 1, 1896...	45,255	1,914	47,169
June 1, 1895.....	35,627	2,555	38,182	January 1, 1897...	36,691	3,037	39,728
June 1, 1896.....	34,960	1,584	36,544	January 1, 1898...	44,034	2,063	46,097
June 1, 1897.....	23,576	1,677	25,253	January 1, 1899...	40,752	2,842	43,594
June 1, 1898.....	34,937	2,157	37,094	January 1, 1900...	44,514	1,573	46,087
June 1, 1899.....	42,027	2,820	44,847	January 1, 1901...	45,494	1,865	47,359
June 1, 1900.....	35,653	1,449	37,102	January 1, 1902...	39,968	1,321	41,289
June 1, 1901.....	39,749	1,285	41,034	January 1, 1903...	54,399	2,014	56,413
June 1, 1902.....	42,832	1,597	44,429	January 1, 1904...	48,828	1,255	50,083
June 1, 1903.....	52,537	1,682	54,219	January 1, 1905...	47,522	1,686	49,208

UNITED STATES CEREAL PRODUCTION.

Department of Agriculture estimates of Cereal Crops, representing bushels:

YEARS.	WHEAT.	CORN.	OATS.	RYE.	BARLEY.	BUCKWHEAT.	TOTAL.
1889.....	490,560,000	2,112,892,000	751,515,000	30,000,000	78,000,000	12,000,000	3,475,000,000
1890.....	399,262,000	1,489,970,000	523,621,000	28,000,000	68,000,000	11,000,000	2,520,000,000
1891.....	611,780,000	2,060,154,000	738,394,000	33,000,000	80,000,000	12,000,000	3,535,000,000
1892.....	515,949,000	1,628,464,000	661,035,000	30,000,000	72,000,000	11,000,000	2,918,000,000
1893.....	396,132,000	1,619,496,000	638,855,000	26,555,000	69,869,000	12,132,000	2,763,039,000
1894.....	460,267,000	1,212,770,000	662,037,000	26,727,000	61,400,000	12,668,000	2,435,869,000
1895.....	467,103,000	2,151,138,000	824,443,000	27,210,000	87,073,000	15,341,000	3,572,308,000
1896.....	427,684,000	2,283,875,000	707,346,000	24,369,000	69,695,000	14,090,000	3,512,969,000
1897.....	530,149,000	1,902,968,000	698,768,000	27,363,000	66,685,000	14,997,000	3,240,980,000
1898.....	675,149,000	1,924,185,000	730,905,000	25,657,000	55,792,000	11,722,000	3,423,410,000
1899.....	547,304,000	2,078,144,000	796,178,000	23,962,000	73,381,000	11,094,000	3,530,063,000
1900.....	522,230,000	2,105,102,000	809,126,000	23,996,000	58,926,000	9,567,000	3,528,947,000
1901.....	748,460,000	1,522,520,000	736,809,000	30,345,000	109,333,000	15,126,000	3,163,133,000
1902.....	670,083,000	2,523,648,000	987,842,000	33,630,000	134,354,000	14,530,000	4,364,667,000
1903.....	637,822,000	2,244,177,000	784,094,000	29,363,000	131,861,000	14,243,000	3,841,560,000
1904.....	552,400,000	2,467,481,000	894,595,000	27,235,000	139,749,000	15,008,000	4,096,468,000

PRICES OF FLOUR.

Quotations for Winter Family, Extra and Low grades and Spring Family Flour, at Cincinnati, on Tuesday of each week, in two years:

DATES.	WINTER FAMILY.		EXTRA.		LOW GRADES.		SPRING FAMILY.	
	1904	1903	1904	1903	1904	1903	1904	1903
January 5....	\$3 25@3 55	\$2 90@3 10	\$2 75@2 90	\$2 60@2 80	\$2 50@2 65	\$2 50@2 60	\$3 70@3 8	\$3 05@3 20
12....	3 30@3 65	2 90@3 10	2 80@3 00	2 60@2 80	2 55@2 75	2 50@2 60	3 75@3 90	3 05@3 20
19....	3 30@3 65	2 90@3 10	2 80@3 00	2 60@2 80	2 55@2 75	2 50@2 60	3 75@3 90	3 15@3 30
26....	3 50@3 75	2 95@3 15	2 90@3 10	2 60@2 80	2 55@2 75	2 50@2 60	3 75@3 90	3 15@3 30
February 2....	3 50@3 75	2 95@3 15	2 90@3 10	2 60@2 80	2 55@2 75	2 50@2 60	3 75@3 90	3 15@3 30
9....	3 70@3 90	2 95@3 15	3 00@3 20	2 60@2 80	2 60@2 85	2 50@2 60	3 50@3 75	3 15@3 30
16....	3 85@4 00	2 95@3 15	3 25@3 50	2 60@2 80	2 75@3 00	2 50@2 60	3 95@4 10	3 15@3 30
23....	4 00@4 15	2 90@3 15	3 35@3 65	2 60@2 80	2 90@3 20	2 50@2 60	4 15@4 30	3 15@3 30
March 1....	4 10@4 35	2 90@3 15	3 45@3 75	2 60@2 80	3 00@3 30	2 50@2 60	4 20@4 50	3 15@3 30
8....	4 10@4 35	2 85@3 10	3 45@3 75	2 60@2 80	3 00@3 30	2 50@2 60	4 20@4 50	3 15@3 30
15....	4 10@4 35	2 85@3 10	3 45@3 75	2 60@2 80	3 00@3 30	2 50@2 60	4 20@4 50	3 15@3 30
22....	4 10@4 35	2 85@3 10	3 45@3 75	2 60@2 80	3 00@3 30	2 50@2 60	4 20@4 50	3 15@3 30
29....	4 10@4 35	2 85@3 10	3 45@3 75	2 60@2 80	3 00@3 30	2 50@2 60	4 20@4 50	3 15@3 30
April 5....	4 10@4 35	2 85@3 10	3 45@3 75	2 60@2 80	3 00@3 30	2 50@2 60	4 20@4 50	3 15@3 30
12....	4 10@4 35	2 85@3 10	3 45@3 75	2 60@2 80	3 00@3 30	2 50@2 60	4 20@4 50	3 15@3 30
19....	4 10@4 35	2 85@3 10	3 45@3 75	2 60@2 80	3 00@3 30	2 50@2 60	4 20@4 50	3 15@3 30
26....	4 00@4 25	2 85@3 10	3 35@3 65	2 60@2 80	2 90@3 20	2 50@2 60	4 00@4 25	3 15@3 30
May 3....	4 00@4 25	2 85@3 10	3 35@3 65	2 60@2 80	2 90@3 20	2 50@2 60	4 00@4 25	3 15@3 30
10....	4 00@4 25	2 85@3 10	3 35@3 65	2 60@2 80	2 90@3 20	2 50@2 60	4 00@4 25	3 15@3 30
17....	4 00@4 25	2 85@3 10	3 35@3 65	2 60@2 80	2 90@3 20	2 50@2 60	4 00@4 25	3 15@3 30
24....	4 00@4 25	2 85@3 10	3 35@3 65	2 60@2 80	2 90@3 20	2 50@2 60	4 00@4 25	3 15@3 30
June 31....	4 00@4 25	2 85@3 10	3 35@3 65	2 40@2 60	2 90@3 20	2 10@2 30	4 00@4 25	3 25@3 40
7....	4 00@4 25	2 75@2 95	3 35@3 65	2 45@2 60	2 90@3 20	2 10@2 30	4 00@4 25	3 35@3 50
14....	4 00@4 25	2 75@2 95	3 35@3 65	2 40@2 60	2 90@3 20	2 10@2 30	4 00@4 25	3 40@3 55
21....	4 00@4 25	2 75@2 95	3 35@3 65	2 40@2 60	2 90@3 20	2 10@2 30	4 00@4 25	3 50@3 65
28....	4 00@4 25	2 85@3 10	3 35@3 65	2 45@2 65	2 90@3 20	2 10@2 30	4 00@4 25	3 50@3 65
July 5....	3 75@4 00	2 85@3 10	3 00@3 25	2 45@2 65	2 70@2 90	2 10@2 30	3 85@4 10	3 30@3 65
12....	3 75@4 00	2 85@3 10	3 00@3 25	2 45@2 65	2 70@2 90	2 10@2 30	3 85@4 10	3 30@3 65
19....	3 75@4 00	2 85@3 10	3 00@3 25	2 45@2 65	2 70@2 90	2 10@2 30	3 85@4 10	3 30@3 65
26....	3 75@4 00	2 85@3 10	3 00@3 25	2 45@2 65	2 70@2 90	2 10@2 30	3 85@4 10	3 30@3 65
August 2....	3 75@4 00	2 85@3 10	3 00@3 25	2 45@2 65	2 70@2 90	2 10@2 30	3 85@4 10	3 30@3 65
9....	3 75@4 00	2 85@3 10	3 00@3 25	2 45@2 65	2 70@2 90	2 10@2 30	3 85@4 10	3 30@3 65
16....	3 75@4 00	2 85@3 10	3 00@3 25	2 45@2 65	2 70@2 90	2 10@2 30	3 85@4 10	3 30@3 65
23....	3 95@4 15	2 95@3 20	3 25@3 50	2 55@2 75	2 90@3 15	2 30@2 40	4 70@4 90	3 65@3 80
30....	3 95@4 15	3 00@3 25	3 25@3 50	2 60@2 80	2 90@3 15	2 40@2 55	4 70@4 90	3 65@3 80
September 6....	3 95@4 15	3 10@3 40	3 25@3 50	2 70@2 90	2 90@3 15	2 50@2 65	4 70@4 90	3 65@3 80
13....	4 25@4 50	3 10@3 40	3 75@4 00	2 70@2 90	3 15@3 40	2 50@2 65	4 85@5 00	3 65@3 80
20....	4 35@4 60	3 10@3 40	3 85@4 10	2 70@2 90	3 25@3 50	2 50@2 65	4 95@5 10	3 65@3 80
27....	4 35@4 60	3 10@3 40	3 85@4 10	2 70@2 90	3 25@3 50	2 50@2 65	4 95@5 10	3 65@3 80
October 4....	4 45@4 70	3 10@3 40	3 95@4 20	2 70@2 90	3 35@3 60	2 50@2 65	4 95@5 10	3 65@3 80
11....	4 45@4 70	3 10@3 40	3 95@4 20	2 70@2 90	3 35@3 60	2 50@2 65	4 95@5 10	3 65@3 80
18....	4 45@4 70	3 10@3 40	3 95@4 20	2 70@2 90	3 35@3 60	2 50@2 65	4 95@5 10	3 70@3 85
25....	4 45@4 70	3 10@3 40	3 95@4 20	2 70@2 90	3 35@3 60	2 50@2 65	4 95@5 10	3 70@3 85
November 1....	4 45@4 70	3 10@3 40	3 95@4 20	2 70@2 90	3 35@3 60	2 50@2 65	4 95@5 10	3 70@3 85
8....	4 45@4 70	3 10@3 40	3 95@4 20	2 70@2 90	3 35@3 60	2 50@2 65	4 95@5 10	3 70@3 85
15....	4 45@4 70	3 10@3 40	3 95@4 20	2 70@2 90	3 35@3 60	2 50@2 65	4 95@5 10	3 70@3 85
22....	4 45@4 70	3 10@3 40	3 95@4 20	2 70@2 90	3 35@3 60	2 50@2 65	4 95@5 10	3 70@3 85
29....	4 25@4 60	3 10@3 40	3 75@4 00	2 70@2 90	3 20@3 50	2 50@2 65	4 70@4 90	3 70@3 85
December 6....	4 25@4 60	3 20@3 50	3 75@4 00	2 70@2 90	3 20@3 50	2 50@2 65	4 70@4 90	3 70@3 85
13....	4 25@4 60	3 20@3 50	3 75@4 00	2 70@2 90	3 20@3 50	2 50@2 65	4 70@4 90	3 70@3 85
20....	4 25@4 60	3 20@3 50	3 75@4 00	2 70@2 90	3 20@3 50	2 50@2 65	4 70@4 90	3 70@3 85
27....	4 25@4 60	3 20@3 55	3 75@4 00	2 75@2 90	3 20@3 50	2 50@2 65	4 70@4 90	3 70@3 85

Monthly movement of Flour, representing barrels, at Cincinnati, in 1904:

MONTHS.	Receipts.	Shipm'ts.	MONTHS.	Receipts.	Shipm'ts.	MONTHS.	Receipts.	Shipm'ts.
January.....	133,061	96,162	May.....	97,895	61,010	September.....	109,627	77,866
February.....	117,571	79,979	June.....	98,851	62,223	October.....	159,585	98,608
March.....	194,703	140,882	July.....	79,586	49,330	November.....	143,828	93,712
April.....	111,029	81,007	August.....	120,476	81,243	December.....	158,533	116,969

YEARLY PRICES OF FLOUR.

Average yearly prices of Family, Extra and Low grades of Winter Wheat Flour, and Family grade of Spring Wheat Flour, also lowest and highest range of prices yearly of Winter Family grade, per barrel, at Cincinnati, for commercial years ending August 31, to 1891-92, and calendar years subsequently :

YEARS.	AVERAGE ANNUAL PRICES.				WINTER FAMILY.	
	Winter Family.	Winter Extra.	Winter Low Grades.	Spring Family.	Lowest.	Highest.
1877-78.....	\$5 39	\$4 86	\$3 91	\$5 45	\$4 40@4 75	\$6 25@6 40
1878-79.....	4 60	4 07	3 80	4 69	4 00@4 25	5 25@5 50
1879-80.....	5 52	4 85	4 11	5 77	4 40@4 85	6 25@6 50
1880-81.....	5 16	4 51	3 80	5 41	4 25@4 65	6 85@7 10
1881-82.....	6 18	5 56	4 82	6 95	4 50@5 25	7 25@7 40
1882-83.....	4 76	4 06	3 46	5 56	4 10@4 40	5 15@5 40
1883-84.....	4 64	3 58	3 09	5 14	3 60@4 00	4 85@5 15
1884-85.....	3 88	3 23	2 90	4 26	3 00@3 50	4 50@4 90
1885-86.....	4 05	3 33	2 89	4 10	3 25@3 60	4 50@4 75
1886-87.....	3 46	2 97	2 65	3 70	3 00@3 30	3 75@4 00
1887-88.....	3 52	3 03	2 69	3 88	3 00@3 30	3 85@4 15
1888-89.....	4 08	3 45	2 99	4 49	3 15@3 40	4 90@5 25
1889-90.....	3 29	2 79	2 34	3 84	2 80@3 00	4 00@4 85
1890-91.....	4 04	3 64	3 06	4 60	3 50@3 75	4 50@4 65
1891-92.....	3 65	3 20	2 70	4 20	2 50@2 85	4 00@4 15
1892.....	3 10	2 70	2 25	3 70	2 25@2 65	3 75@3 85
1893.....	2 30	2 00	1 75	2 95	2 00@2 15	2 40@2 60
1894.....	2 10	1 92	1 75	2 47	2 00@2 10	2 15@2 25
1895.....	2 72	2 43	2 12	2 79	2 00@2 10	3 55@3 80
1896.....	2 90	2 87	2 00	2 89	2 20@2 50	3 75@4 00
1897.....	3 55	3 04	2 55	3 72	3 00@3 35	3 75@4 00
1898.....	3 43	3 00	2 54	3 90	2 35@2 60	5 00@5 25
1899.....	2 55	2 14	1 88	3 03	2 35@2 60	2 55@2 75
1900.....	2 96	2 24	1 94	3 11	2 35@2 70	3 25@3 50
1901.....	2 64	2 25	1 99	2 99	2 20@2 55	3 00@3 25
1902.....	3 00	2 75	2 55	3 05	2 70@2 90	3 10@3 35
1903.....	3 15	2 70	2 45	3 50	2 65@2 90	3 25@3 55
1904.....	4 15	3 55	3 10	4 40	3 25@3 55	4 45@4 70

NOTE.—Quotations under heading of Low Grades were for Winter Superfine prior to 1889-90.

MONTHLY PRICES OF MILL FEED.

Range of monthly prices of Bran, Coarse Middlings, Fine Middlings and Mixed Feed, per ton, at Cincinnati, during the year 1904, as indicated:

MONTHS.	BRAN.	COARSE MIDDINGS.	FINE MIDDINGS.	MIXED FEED.
January.....	\$17 50 @ 18 50	\$18 00 @ 20 00	\$20 00 @ 21 50	\$18 00 @ 20 00
February.....	18 00 @ 19 00	18 00 @ 19 50	20 00 @ 22 00	18 50 @ 20 00
March.....	18 00 @ 19 00	18 50 @ 19 50	20 50 @ 22 00	19 00 @ 20 00
April.....	18 00 @ 19 00	18 50 @ 19 50	20 50 @ 22 00	19 00 @ 20 00
May.....	18 00 @ 21 00	18 50 @ 23 00	20 50 @ 23 50	19 00 @ 21 50
June.....	19 00 @ 21 00	21 00 @ 23 00	21 50 @ 23 50	19 50 @ 21 50
July.....	17 00 @ 20 00	18 00 @ 21 50	19 00 @ 22 50	18 00 @ 21 00
August.....	16 75 @ 20 00	18 00 @ 21 00	19 00 @ 23 00	18 00 @ 20 00
September.....	19 00 @ 20 00	20 00 @ 22 00	22 00 @ 24 00	18 50 @ 20 00
October.....	18 00 @ 19 50	18 00 @ 22 00	19 00 @ 24 00	18 50 @ 20 00
November.....	17 50 @ 18 50	18 00 @ 19 00	19 00 @ 20 00	18 00 @ 19 00
December.....	17 50 @ 18 00	18 00 @ 19 50	19 00 @ 21 00	18 00 @ 18 50

ANNUAL RECEIPTS AND SHIPMENTS OF HOG PRODUCT.

Annual receipts of Hog Product, at Cincinnati, for commercial years ending August 31, to 1891-92, and calendar years subsequently :

YEARS.	Pork, bbls.	Bacon, lbs.	Hams, lbs.	D.S.Meats, in boxes, lbs.	*D.S.Meats, loose, lbs.	Total Meats, lbs.	Lard, in bbls. or tcs. lbs.
1879-80.....	3,105	1,142,555	5,980,584	2,399,330	15,753,818	25,284,767	7,741,727
1880-81.....	3,241	864,312	4,691,742	5,069,600	35,744,308	46,399,962	13,045,014
1881-82.....	3,084	1,201,546	4,323,791	1,906,250	42,106,174	49,739,761	6,755,006
1882-83.....	7,260	781,400	4,323,214	1,679,000	22,801,490	30,585,044	7,845,508
1883-84.....	8,846	950,017	5,534,619	7,780,500	40,827,342	48,092,478	7,187,949
1884-85.....	9,078	1,089,543	7,046,047	2,179,900	59,766,610	70,082,100	12,002,638
1885-86.....	13,405	712,814	8,987,084	3,730,110	82,187,199	95,567,157	13,824,712
1886-87.....	10,973	553,330	7,170,410	4,849,500	67,764,992	80,338,232	22,151,299
1887-88.....	6,999	784,950	6,438,392	5,139,850	52,182,914	64,496,106	15,050,905
1888-89.....	10,824	1,946,331	7,276,160	5,972,690	56,817,656	72,012,777	14,471,656
1889-90.....	7,278	5,034,610	8,936,027	9,717,500	51,645,183	75,333,320	14,599,067
1890-91.....	5,438	5,841,070	8,661,310	11,042,000	71,157,590	96,701,970	21,288,600
1891-92.....	11,532	5,942,090	9,791,788	8,571,500	77,744,551	102,049,024	26,248,270
1892.....	12,168	5,632,480	10,131,003	7,985,000	68,906,224	92,570,307	20,669,630
1893.....	6,956	4,450,320	5,575,670	5,446,000	42,500,900	58,272,890	15,625,710
1894.....	6,672	4,533,200	9,727,480	8,282,500	47,548,970	70,087,100	34,251,870
1895.....	6,439	7,242,209	9,981,186	4,715,000	72,173,964	94,112,359	29,825,660
1896.....	8,123	7,130,618	10,936,845	1,991,500	74,847,596	94,906,559	54,962,260
1897.....	6,367	8,107,081	11,747,181	4,728,500	84,419,192	109,001,884	59,248,050
1898.....	7,584	8,339,225	10,607,747	5,737,500	106,317,704	131,602,176	50,138,670
1899.....	4,689	5,407,369	13,900,468	6,339,327	107,520,077	133,170,236	55,468,900
1900.....	4,339	4,073,000	7,254,135	5,498,500	111,563,237	123,308,872	51,000,446
1901.....	7,696	3,478,375	11,451,391	11,926,500	140,641,491	167,497,757	44,827,334
1902.....	7,258	1,947,586	6,575,334	10,046,500	110,458,369	129,026,389	31,144,879
1903.....	1,431	1,241,004	7,583,283	6,436,500	85,261,843	100,522,630	25,335,227
1904.....	3,426	1,010,103	5,966,008	8,764,500	83,917,486	94,658,097	34,903,544

* Including Green Meats.

Annual shipments of Hog Product, at Cincinnati, for commercial years ending August 31, to 1891-92, and calendar years subsequently :

YEARS.	Pork, bbls.	Bacon, lbs.	Hams, lbs.	D.S.Meats, in boxes, lbs.	D.S.Meats, loose, lbs.	Total Meats, lbs.	Lard, in bbls. or tcs. lbs.
1879-80.....	33,428	21,443,410	20,344,412	19,388,835	29,185,313	90,361,970	26,420,256
1880-81.....	49,639	17,912,562	16,890,360	19,606,118	55,755,612	110,165,152	41,868,108
1881-82.....	17,503	20,822,492	13,697,246	8,751,840	48,904,210	92,175,788	24,205,965
1882-83.....	25,035	13,959,498	13,642,320	9,329,477	48,881,523	82,312,318	31,016,021
1883-84.....	19,495	16,781,225	13,730,304	6,153,760	52,007,307	88,672,596	25,019,197
1884-85.....	21,533	15,408,361	15,833,315	7,210,900	66,354,504	104,807,980	29,605,373
1885-86.....	19,813	17,804,775	16,719,140	7,027,115	95,275,105	136,826,185	34,230,705
1886-87.....	21,400	14,964,148	16,251,302	8,709,750	71,194,965	110,119,765	37,850,280
1887-88.....	10,157	12,731,470	12,285,999	6,728,250	57,082,097	88,796,916	27,328,782
1888-89.....	14,101	15,037,055	15,192,010	8,781,030	64,875,376	108,903,471	30,767,221
1889-90.....	9,868	18,451,819	17,272,486	12,623,300	54,522,322	102,869,727	32,944,779
1890-91.....	7,343	18,577,439	17,219,945	12,903,500	73,999,592	124,700,476	35,995,964
1891-92.....	12,771	18,253,240	19,249,575	10,716,830	81,920,788	130,140,428	40,662,995
1892.....	13,247	17,052,725	18,600,245	9,768,700	70,670,218	116,091,888	34,556,845
1893.....	6,990	17,902,410	10,102,305	4,665,500	41,581,305	68,252,520	25,169,865
1894.....	5,417	9,914,990	13,107,200	7,522,500	49,949,900	80,494,590	40,721,590
1895.....	5,801	12,351,590	13,557,390	5,689,500	75,754,019	107,333,539	45,475,790
1896.....	7,726	14,159,414	15,956,905	6,424,000	76,067,821	111,637,940	73,058,310
1897.....	6,426	16,073,890	16,149,390	5,383,500	83,702,302	121,909,572	75,663,590
1898.....	7,829	19,249,094	18,969,561	8,085,200	108,107,523	134,411,878	65,952,250
1899.....	5,290	20,605,718	24,815,470	12,087,000	110,191,864	167,700,052	76,886,410
1900.....	4,568	18,868,339	18,272,310	9,360,500	109,057,719	156,450,468	67,802,658
1901.....	8,446	19,420,868	22,803,327	16,291,000	129,870,681	197,976,376	58,424,450
1902.....	7,090	12,011,547	15,562,392	10,808,000	110,387,764	148,550,203	43,649,318
1903.....	1,539	6,576,408	14,358,380	7,038,000	83,187,081	111,159,864	36,099,790
1904.....	3,592	6,328,739	13,191,767	6,395,000	90,103,146	116,018,652	47,774,711

PRICES OF MESS PORK, HAMS AND LARD.

Quotations for Mess Pork, per barrel, the best Sugar-cured Hams and for Winter Prime Steam Lard, per pound, at Cincinnati, on Tuesday of each week, during two calendar years:

DATES.	MESS PORK.		SUGAR-CURED HAMS.		PRIME STEAM LARD.	
	1904	1903	1904	1903	1904	1903
January 5.....	\$13 00	\$17 50	12.00@13.00	12.50@13.00	6.47½	9 60
12.....	13 00	17 50	12.00@13.00	12.50@13.00	6.55	9 45
19.....	13 00	17 50	12.00@13.00	12.50@13.00	6.60	9 55
26.....	13 62½	17 50	12.00@12.50	12.50@13.00	6.82½	9 50
February 2.....	13 25	17 00	12.00@12.50	12.50@13.00	6.75	9 17½
9.....	14 50	17 00	12.00@12.50	12.50@13.00	7.05	9 35
16.....	14 50	17 50	12.00@12.50	13.00@13.50	6.95	9 40
23.....	15 75	17 50	12.00@12.50	13.00@13.50	7.37½	9 40
March 1.....	16 00	18 25	12.00@12.50	13.00@13.50	7.20	9 60
8.....	14 25	18 50	12.00@12.50	13.25@13.75	6.82½	9 85 @9.95
15.....	14 25	18 00	12.00@12.50	13.25@13.75	6.75	9 55
22.....	13 75	18 25	12.00@12.50	13.50@14.00	6.52½	9 65
29.....	13 50	18 25	12.00@12.50	13.50@14.00	6.67½	9 70
April 5.....	13 50	18 00	12.00@12.50	13.50@14.00	6.45	9 50
12.....	13 00	18 00	12.00@12.50	13.50@14.00	6.25	9 57½
19.....	13 00	18 00	12.00@12.50	13.50@14.00	6.17½	9 52½
26.....	13 00	17 75	12.00@12 50	13.50@14.00	6.27½	9 00
May 3.....	12 00	17 75	11.00@11 75	13.50@14.00	6.20	8 70 @8.75
10.....	11 75	17 75	11.00@11 75	13.50@14.00	6.10	8 50 @8.60
17.....	11 50	17 75	11.00@11.75	13 50@14.00	6.07½	8 55 @8.65
24.....	11 25	17 75	11.00@11.75	13.00@13.50	5.95	8 40
31.....	11 85	17 75	11.00@11.75	13.00@13.50	6.10	8 45 @8.47½
June 7.....	12 40	17 75	11.00@11.75	13.00@13.50	6.10	8 35
14.....	12 60	17 75	11.25@12.00	13.00@13.50	6.20	8 32½
21.....	13 00	16 75	11.25@12.00	13.00@13.50	6.40	8 10
28.....	13 00	15 50	11.25@12.00	13.00@13.50	6.40	7 60
July 5.....	13 25	15 75	12.00@12.50	13.50@14.00	6.62½	7 40 @7.47½
12.....	13 25	14 50	12.00@12.50	13.50@14.00	6.45	6 82½ @6.87½
19.....	13 25	15 00	12.00@12.50	13.50@14.00	6.87½	6 95
26.....	13 25	14 00	12.00@12.50	13.50@14.00	6.30	6 70 @6.75
August 2.....	13 25	14 00	12.00@12.50	13.50@14.00	6.50	6 97½
9.....	13 00	14 00	12.00@12.50	13.50@14.00	6.50	7 15
16.....	12 50	13 50	12.00@12.50	13 50	6.47½	7 05
23.....	12 50	13 50	12.00@12.50	13 50	6.55	7 20 @7.25
30.....	12 00	13 00	12.00@12.50	13 50	6.82½	7 50
September 6.....	12 00	13 25	12.00@12.50	13 50	6.65	7 85
13.....	12 00	13 75	12.00@12.50	13 50	6 77½	8 35
20.....	12 00	13 75	12.00@12.50	13.50@14.00	6.87½	7 75
27.....	12 50	13 75	12.00@12.50	13.50@14.00	7.15	7 75 @7.87½
October 4.....	12 50	12 00	12.50	13.50@14.00	7.55	7 50
11.....	12 50	11 50	12.50	13.50@14.00	7.50	6 60
18.....	11 50	11 50	12.50	13.50@14.00	7.10	6 25
25.....	11 50	11 50	12.50	13.50@14.00	7.12½	6 30 @6.35
November 1.....	11 50	11 50	12.50	13.50@14.00	7.05	6 57½
8.....	11 50	11 50	12.00	13.00@14.00	6.95	6 70
15.....	11 50	11 50	12.00	13.00@14.00	6.87½	6 85
22.....	11 50	11 50	12.00	13.00@14.00	6.77½	6 40
29.....	11 50	11 25	12.00	13.00@14.00	6.82½	6 32½
December 6.....	13 00	11 25	11.50	12.50@13 50	6.77½	6 35
13.....	13 00	11 25	11.00	12.00@13.00	6.62½	6 35 @6.40
20.....	12 75	11 25	11.00	12.00@13.00	6.65	6 35
27.....	12 75	11 25	11.00	12.00@13.00	6.65	6 50

Exports of Fresh, Salted and Canned Beef from the United States, for calendar years, in pounds:

KINDS.	1904	1903	1902	1901	1900
Fresh Beef.....	262,329,000	298,402,000	242,015,000	354,421,000	326,356,000
Salted Beef.....	54,612,000	58,164,000	47,199,000	52,528,000	54,935,000
Canned Beef.....	52,158,000	66,738,000	81,868,000	53,239,000	51,916,000
Total Beef.....	369,099,000	418,304,000	370,577,000	460,188,000	433,207,000

PRICES OF DRY SALTED AND SMOKED MEATS.

Quotations for Dry Salted Meats and Bacon, per pound, at Cincinnati, on Tuesday of each week, during two calendar years:

DATES.	D. S. MEATS.				BACON.			
	Shoulders.		Short Rib Sides.		Shoulders.		Short Rib Sides.	
	1904	1908	1904	1908	1904	1908	1904	1908
January 5.	6.87½	8.00	6.50	8.87½	6.87½	8.75	7.25	9.62½
12.	6.87½	7.50	6.50	8.87½	6.87½	8.00	7.25	9.62½
19.	6.87½	7.50	6.50	8.87½	6.87½	8.00	7.25	9.62½
26.	6.87½	7.50	6.50	9.12½	6.87½	8.00	7.25	9.75@9.87½
February 2.	6.87½	7.75@8.00	6.50	9.12½	6.87½	8.25@8.50	7.25	9.75@9.87½
9.	6.87½	8.25	6.87½	9.25	6.87½	8.75	7.62½	10.00
16.	6.87½	8.87½	6.87½	9.50	6.87½	9.00	7.62½	10.25
23.	6.87½	8.87½	7.50	9.50	6.87½	9.00	8.12½	10.25
March 1.	6.87½	8.50	7.62½	9.75	6.87½	9.00	8.37½	10.50
8.	6.25	8.50	7.25	10.00	6.75	9.00	8.00	10.75
15.	6.25	8.50	7.25	9.87½	6.75	9.00	8.00	10.62½
22.	6.00	9.00	7.00	10.00	6.50	9.50	7.75	10.75
29.	6.00	9.00	7.00	10.00	6.50	9.50	7.75	10.75
April 5.	6.00	9.00	7.00	10.00	6.50	9.50	7.75	10.75
12.	5.87½	9.00	6.50	10.00	6.37½	9.50	7.20	10.75
19.	5.87½	9.00	6.50	10.00	6.37½	9.50	7.25	10.75
26.	5.87½	8.75	6.50	9.37½	6.37½	9.00	7.25	10.25
May 3.	5.50	8.50	6.87½	9.37½	6.25	9.00	7.20	10.25
10.	5.25	8.37½	6.25	9.25	6.00	8.87½	7.00	10.12½
17.	5.25	8.37½	6.25	9.25	6.00	8.87½	7.00	10.12½
24.	5.62½	8.00	6.25	9.25	6.12½	8.50	6.87½	10.00
31.	5.75	8.00	6.62½	9.25	6.25	8.50	7.37½	10.00
June 7.	5.75	8.00	6.75	9.25	6.25	8.50	7.50	10.00
14.	6.00	8.00	7.00	9.25	6.50	8.50	7.75	10.00
21.	6.00	7.75	7.37½	9.12½	6.50	8.25	8.12½	9.87½
28.	6.25	7.50	7.87½	8.75	6.75	8.00	8.12½	9.50
July 5.	6.75	7.75	7.50	8.62½	7.25	8.25	8.25	9.37½
12.	6.75	7.75	7.50	8.50	7.25	8.25	8.25	9.37½
19.	7.15	7.75	7.50	8.62½	7.65	8.25	8.25	9.37½
26.	7.15	7.25	7.50	8.00	7.65	8.00	8.25	8.75
August 2.	7.15	7.25	7.75	8.00	7.65	8.00	8.50	8.75
9.	7.25	7.25	7.75	8.00	7.75	8.00	8.50	8.75
16.	7.25	7.00	7.75	7.87½	7.75	7.75	8.50	8.62½
23.	7.25	7.00	7.62½	7.75	7.75	7.75	8.37½	8.50
30.	7.25	6.75	7.62½	7.75	7.75	7.50	8.37½	9.00
September 6.	7.25	6.75	7.62½	8.12½	7.75	7.50	8.37½	9.25
13.	7.25	6.75	7.62½	8.37½@8.50	7.75	7.50	8.37½	9.25
20.	7.25	6.75	7.75	8.50	7.75	7.50	8.50	9.25
27.	7.25	6.75	7.90	8.50	7.75	7.50	8.65	9.25
October 4.	7.50	6.75	8.12½	9.00	8.00	7.50	8.87½	9.75
11.	7.50	6.25	8.00	8.62½	8.00	7.00	8.75	9.37½
18.	7.25	6.12½	7.75	8.25	7.75	6.75	8.50	9.12½
25.	7.12½	5.75@6.00	7.50	7.87½	7.62½	6.50	8.25	8.62½
November 1.	7.00	5.75@6.00	7.50	7.87½	7.50	6.50	8.25	8.62½
8.	7.00	5.75@6.00	7.25	7.62½	7.50	6.50	8.00	8.37½
15.	7.00	5.75@6.00	7.25	7.62½	7.50	6.50	8.00	8.37½
22.	6.50	5.50@5.75	7.00	6.87½	7.00	6.25	7.75	7.75
29.	6.50	5.50@5.75	7.00	6.75	7.00	6.25	7.75	7.62½
December 6.	6.50	5.50	7.00	6.50@6.75	7.00	6.25	7.75	7.50
13.	6.25	5.25	6.75	6.25@6.37½	6.75	6.00	7.50	7.25
20.	6.25	5.25	6.75	6.25@6.37½	6.75	6.00	7.50	7.25
27.	6.25	5.25	6.75	6.37½	6.75	6.00	7.50	7.25

Exports of Bacon, Hams, Pork and Lard from the United States, for years ending October 31, in pounds:

KINDS.	1908-04	1902-08	1901-02	1900-01	1899-00
Bacon	249,000,000	215,000,000	298,000,000	462,000,000	469,000,000
Hams	187,000,000	211,000,000	222,000,000	224,000,000	198,000,000
Pork	128,000,000	124,000,000	145,000,000	166,000,000	165,000,000
Lard	588,000,000	520,000,000	508,000,000	594,000,000	639,000,000

MONTHLY MOVEMENT OF HOG PRODUCT.

Monthly receipts and shipments of Hog Product, at Cincinnati, for 1904:

MONTHS.	RECEIPTS, 1904.					
	Bacon, lbs.	D. S. Meats, loose, lbs.	D. S. Meats, boxed, lbs.	Hams, lbs.	Lard, lbs.	Pork, bbls.
January	61,820	4,863,075	764,500	544,398	1,999,441	284
February	82,815	3,635,941	328,500	189,241	1,829,272	180
March	78,386	5,581,339	237,000	706,438	2,515,090	215
April	78,750	8,750,209	100,000	431,455	3,355,858	725
May	120,750	7,249,329	113,000	541,751	4,065,671	150
June	90,114	7,951,897	363,500	659,684	3,240,485	263
July	174,715	5,827,706	463,500	475,910	2,644,951	437
August	59,270	7,499,632	247,500	688,509	2,508,014	178
September	163,941	10,811,606	151,000	367,203	2,469,295	154
October	71,894	10,580,965	767,000	716,644	2,944,225	458
November	18,619	6,400,540	113,000	446,114	3,122,677	134
December	59,529	9,765,187	126,000	245,666	4,708,565	253

MONTHS.	SHIPMENTS, 1904.					
	Bacon, lbs.	D. S. Meats, loose, lbs.	D. S. Meats, boxed, lbs.	Hams, lbs.	Lard, lbs.	Pork, bbls.
January	421,126	4,960,977	1,124,500	1,271,385	2,288,567	340
February	489,880	4,592,723	661,000	1,101,039	2,797,050	146
March	429,480	6,712,141	508,500	1,242,654	4,274,803	352
April	466,701	4,077,352	223,500	925,704	4,829,101	427
May	584,247	7,333,392	276,000	1,175,811	4,708,298	167
June	491,317	8,581,912	586,000	1,199,471	4,331,482	331
July	798,181	6,235,092	582,500	1,203,888	3,876,795	371
August	607,611	7,514,377	544,000	1,311,862	3,500,106	186
September	398,080	11,744,981	520,000	1,249,251	3,711,942	289
October	492,415	11,076,905	582,000	919,648	3,298,742	370
November	322,677	7,491,056	509,000	686,206	4,056,165	287
December	377,074	9,782,238	328,000	906,348	6,101,660	326

WEEKLY RECEIPTS AND SHIPMENTS OF HOGS.

Total weekly receipts and shipments of Hogs, at Cincinnati, in the year 1904:

WEEK ENDING.	Receipts.	Shipments.	WEEK ENDING.	Receipts.	Shipments.
January 9	27,175	6,716	July 9	12,118	4,843
16	21,551	7,057	16	13,782	3,763
23	21,033	6,235	23	14,596	2,962
30	20,213	7,486	30	14,225	4,047
February 6	19,423	5,643	August 6	11,099	3,840
13	24,082	7,274	13	18,198	4,599
20	17,811	5,543	20	11,658	4,551
27	18,646	6,974	27	15,526	5,054
March 5	15,469	6,799	September 3	16,211	5,231
12	16,207	4,955	10	13,284	4,791
19	16,130	5,710	17	19,472	6,520
26	12,083	4,117	24	14,128	6,577
April 2	17,469	6,001	October 1	16,005	5,832
9	14,251	5,673	8	20,685	8,404
16	18,777	5,624	15	21,898	7,910
23	18,384	7,923	22	22,208	9,955
30	17,738	6,654	29	27,757	11,370
May 7	15,598	5,442	November 5	27,290	11,989
14	14,494	5,956	12	28,252	9,916
21	17,532	5,980	19	31,265	13,850
28	16,785	6,574	26	21,677	5,398
June 4	19,563	4,819	December 3	30,555	9,069
11	18,977	4,279	10	28,922	7,462
18	17,456	5,550	17	27,457	8,040
25	18,857	8,747	24	26,368	7,664
July 2	14,124	2,423	31	18,015	6,796

AVERAGE ANNUAL PRICES OF HOG PRODUCT.

Average annual prices of leading articles of Hog Product, at Cincinnati, for commercial years ending August 31, to 1891-92, and calendar years subsequently :

YEARS.	MESS PORK.	D. S. MEATS.			BACON.				LARD.	
		Shoulders.	Short Rib Sides.	Short Clear Sides.	Shoulders.	Short Rib Sides.	Short Clear Sides.	Sugar Cured Hams.	Prime Steam.	Kettle Winter.
1885-86.....	\$10 04	4.14	5.52	5.72	4.71	5.98	6.20	10.14	6.18	6.54
1886-87.....	18 74	5.60	7.17	7.41	6.89	7.85	8.10	11.48	6.56	7.25
1887-88.....	14 55	5.91	7.75	8.06	6.66	8.88	8.74	11.28	7.64	8.22
1888-89.....	13 18	5.88	6.82	7.06	6.65	7.47	7.85	11.56	7.41	8.08
1889-90.....	11 29	4.46	5.19	5.36	5.01	5.89	6.10	10.81	5.94	6.87
1890-91.....	10 72	4.76	5.72	5.91	5.60	6.31	6.54	10.18	6.11	6.65
1891-92.....	10 51	5.11	6.47	6.65	5.90	7.22	7.42	10.61	6.47	6.99
1892.....	11 68	5.88	6.92	7.38	6.55	7.68	8.08	11.04	7.21	7.65
1893.....	18 46	8.77	9.36	10.23	9.61	10.84	11.15	18.22	9.91	10.82
1894.....	12 98	6.08	6.79	7.06	6.65	7.48	7.88	10.60	7.25	7.92
1895.....	10 65	4.98	5.62	5.94	5.40	6.19	6.52	9.96	6.24	6.87
1896.....	8 04	4.09	4.19	4.42	4.55	4.61	4.84	10.29	4.29	4.74
1897.....	8 84	4.68	4.76	4.87	5.17	5.24	5.42	9.91	4.02	4.50
1898.....	9 78	4.50	5.37	5.55	4.98	5.97	6.06	8.78	5.06	5.51
1899.....	9 13	4.42	5.01	5.15	5.00	5.49	5.92	9.75	5.04	5.51
1900.....	11 86	6.80	6.89	7.02	6.98	7.39	7.61	11.04	6.51	7.17
1901.....	14 99	6.88	8.07	8.27	7.30	8.71	8.92	11.07	8.38	8.88
1902.....	17 25	7.75	9.80	10.00	8.60	10.60	10.80	12.05	9.90	10.40
1903.....	15 15	7.35	8.60	8.80	7.95	9.40	9.60	18.40	8.10	8.60
1904.....	12 80	6.50	7.10	7.30	7.00	7.85	8.10	12.05	6.65	7.15

Average annual prices for provision trade, years ending October 31 :

YEARS.	MESS PORK.	D. S. MEATS.			BACON.				LARD.	
		Shoulders.	Short Rib Sides.	Short Clear Sides.	Shoulders.	Short Rib Sides.	Short Clear Sides.	Sugar Cured Hams.	Prime Steam.	Kettle Winter.
1892-93.....	\$18 50	8.89	9.88	10.27	9.71	10.34	11.19	13.89	10.00	10.94
1893-94.....	13 29	6.22	7.08	7.38	6.86	7.71	8.18	10.78	7.51	8.21
1894-95.....	12 26	5.07	5.90	6.17	5.56	6.47	6.77	9.94	6.41	6.89
1895-96.....	8 20	4.22	4.28	4.52	4.68	4.79	5.00	9.73	4.47	4.98
1896-97.....	8 26	4.51	4.66	4.78	4.96	5.08	5.27	10.07	3.99	4.24
1897-98.....	9 63	4.68	5.80	5.40	5.30	5.79	5.98	8.81	4.84	5.23
1898-99.....	9 08	4.26	5.14	5.22	4.87	5.50	5.60	9.68	5.05	5.45
1899-00.....	11 44	6.28	6.59	6.82	6.60	7.08	7.36	11.08	6.28	6.81
1900-01.....	14 29	6.70	7.88	8.06	7.22	8.46	8.91	11.05	8.00	8.58
1901-02.....	16 85	7.75	10.15	10.35	8.25	10.65	11.15	12.40	9.65	10.15
1902-03.....	16 15	7.80	9.05	9.25	8.40	9.45	9.95	13.80	8.65	9.15
1903-04.....	12 65	6.35	7.10	7.30	6.85	7.85	8.10	12.85	6.60	7.10

Average prices of Live Hogs, at Cincinnati, for winter seasons :

1861-62.....	\$2 68	1872-73.....	\$3 92	1883-84.....	\$5 24	1894-95.....	\$4 35
1862-63.....	3 56	1873-74.....	4 58	1884-85.....	4 44	1895-96.....	3 80
1863-64.....	5 60	1874-75.....	6 99	1885-86.....	3 81	1896-97.....	3 35
1864-65.....	11 70	1875-76.....	7 27	1886-87.....	4 28	1897-98.....	3 60
1865-66.....	9 57	1876-77.....	5 90	1887-88.....	5 18	1898-99.....	3 55
1866-67.....	6 02	1877-78.....	4 20	1888-89.....	5 15	1899-00.....	4 40
1867-68.....	6 60	1878-79.....	2 84	1889-90.....	3 75	1900-01.....	5 05
1868-69.....	8 41	1879-80.....	4 96	1890-91.....	3 65	1901-02.....	6 00
1869-70.....	9 46	1880-81.....	4 61	1891-92.....	3 90	1902-03.....	6 50
1870-71.....	5 50	1881-82.....	6 24	1892-93.....	6 60	1903-04.....	4 90
1871-72.....	4 36	1882-83.....	6 44	1893-94.....	5 35	1904-05.....	4 80

HIGHEST DAILY PRICES OF HOGS.

Highest daily prices of Live Hogs, per 100 pounds, at Cincinnati, in 1904:

DATES.	January	February	March	April	May	June	July	August	September	October	November	December
1.....		\$5 10	\$5 60			\$4 95	\$5 45	\$5 75	\$5 75	\$6 10	\$5 20	\$4 55
2.....	\$5 06	5 15	5 62½	5 50	5 00	4 85	.....	5 60	5 80	.....	5 20	4 60
3.....	.....	5 25	5 60	.....	5 00	4 65	.....	5 55	5 85	6 05	5 25	4 65
4.....	5 25	5 20	5 65	5 45	4 95	4 75	.....	5 65	.....	6 15	5 20	.....
5.....	5 25	5 15	5 65	5 50	5 05	.....	5 65	5 65	.....	6 10	5 20	4 60
6.....	5 10	5 20	.....	5 55	5 05	4 75	5 75	5 70	5 90	6 10	.....	4 60
7.....	5 20	.....	5 75	5 45	4 95	4 85	5 67½	.....	5 90	6 15	5 25	4 50
8.....	5 10	5 25	5 95	5 40	.....	5 00	5 50	5 75	6 00	6 10	.....	4 55
9.....	5 05	5 35	6 00	5 40	4 90	5 10	5 60	5 90	6 05	.....	5 25	4 50
10.....	.....	5 40	6 00	.....	4 95	5 05	.....	5 75	6 15	6 00	5 25	4 55
11.....	4 90	5 35	5 75	5 35	4 95	5 10	5 60	5 80	.....	6 00	5 15	.....
12.....	4 90	5 45	5 80	5 30	4 95	.....	5 60	5 80	6 25	5 80	5 10	4 65
13.....	5 10	5 35	.....	5 40	4 95	5 15	5 40	5 50	6 20	5 65	.....	4 55
14.....	5 30	.....	5 75	5 45	5 00	5 25	5 60	.....	6 05	5 65	4 90	4 60
15.....	5 20	5 35	5 75	5 40	5 00	5 20	5 65	5 60	6 15	5 52½	4 80	4 65
16.....	5 05	5 50	5 75	5 40	4 92½	5 15	.....	5 60	6 15	.....	4 70	4 65
17.....	.....	5 50	5 75	.....	5 00	5 25	.....	5 80	6 10	5 40	4 80	4 65
18.....	5 05	5 45	5 75	5 30	5 05	5 30	5 95	6 60	.....	5 35	4 85	.....
19.....	5 10	5 60	5 72½	5 30	5 02½	.....	6 00	5 52½	6 20	5 30	4 75	4 65
20.....	5 05	5 70	.....	5 35	4 85	5 30	5 95	5 65	6 20	5 35	.....	4 75
21.....	5 07½	.....	5 60	5 30	4 85	5 40	5 85	.....	6 25	5 45	4 65	4 70
22.....	5 15	5 90	5 55	5 25	.....	5 45	5 60	5 60	6 20	5 40	4 70	4 65
23.....	5 20	5 80	5 60	5 20	4 75	5 40	5 60	5 60	6 27½	.....	4 75	4 55
24.....	.....	5 80	5 75	.....	4 70	5 50	.....	5 60	6 25	5 55	.....	.....
25.....	5 25	5 85	5 75	5 10	4 70	5 57½	5 60	5 60	.....	5 55	4 75	.....
26.....	5 30	5 80	5 85	5 10	4 80	.....	5 80	5 75	6 25	5 35	4 75	.....
27.....	5 22½	5 80	.....	5 05	4 80	5 60	5 90	5 85	6 25	5 25	.....	4 75
28.....	5 15	.....	5 85	5 00	4 95	5 60	6 00	.....	6 15	5 20	4 75	4 75
29.....	5 10	5 60	5 80	5 00	.....	5 55	6 80	5 75	6 00	5 25	4 70	4 85
30.....	5 07½	.....	5 70	5 00	.....	5 45	5 90	5 75	6 05	.....	4 60	4 90
31.....	.....	.....	5 60	.....	5 05	.....	.....	5 85	.....	5 25	.....	4 95

PRICES OF CATTLE AND SHEEP BY GRADES.

Prices by grades of Cattle and Sheep, at Cincinnati, at the close of December:

GRADES.	1904	1903	1902	1901	1900	1899
CATTLE.						
Fair to good shippers, per 100 lbs.....	\$4 25@5 00	\$4 00@4 65	\$4 25@5 00	\$4 85@5 65	\$4 50@5 00	\$4 50@5 35
Good to choice butchers, " ".....	3 85@4 75	4 00@4 40	4 50@5 00	4 65@5 25	4 40@4 90	4 40@4 90
Fair to medium butchers, " ".....	2 75@3 75	2 65@3 75	3 50@4 40	3 75@4 60	3 60@4 35	3 40@4 25
Common, " ".....	2 00@2 50	2 00@2 25	2 00@3 00	2 50@3 25	2 25@2 90	2 90@3 25
SHEEP.						
Extra, per 100 lbs.....	4 65@4 75	3 50	3 75	3 60	3 35@3 50	3 90@4 00
Good to choice, " ".....	4 10@4 60	3 10@3 40	3 25@3 65	3 00@3 50	2 50@3 25	3 35@3 85
Common to fair, " ".....	2 50@4 00	2 00@3 00	2 00@3 15	1 50@2 75	1 00@1 25	2 25@3 25

CALENDAR YEAR HOG PACKING.

Number of Hogs packed in the West during calendar years stated:

1904..... 23,745,000	1899..... 22,215,000	1894..... 15,265,000	1889..... 12,690,000
1903..... 21,470,000	1898..... 23,510,000	1893..... 11,040,000	1888..... 10,610,000
1902..... 21,230,000	1897..... 19,640,000	1892..... 13,750,000	1887..... 11,425,000
1901..... 25,410,000	1896..... 16,230,000	1891..... 15,180,000	1886..... 11,950,000
1900..... 23,265,000	1895..... 15,285,000	1890..... 16,980,000	1885..... 11,350,000

PRICES OF CATTLE AND SHEEP.

Quotations for Cattle, fair to medium quality, and Sheep, good to extra quality, per 100 pounds, alive, at Cincinnati, on Tuesday of each week, in three years:

CATTLE.				SHEEP.			
DATES.	1904	1903	1902	DATES.	1904	1903	1902
January 5..	\$3 00@4 00	\$3 40@4 35	\$3 75@4 60	January 5..	\$3 25@3 85	\$3 25@4 00	\$3 00@3 75
12..	3 00@3 75	3 40@4 35	3 75@4 50	12..	3 85@3 85	3 50@4 10	3 40@4 25
19..	3 00@3 60	3 25@4 15	3 85@4 60	19..	3 25@3 85	3 75@4 25	3 25@4 10
26..	3 00@3 75	3 15@4 15	3 85@4 60	26..	3 85@4 00	3 75@4 50	3 15@4 00
February 2..	3 00@3 75	3 35@4 25	4 00@4 75	February 2..	3 40@4 00	3 75@4 50	3 50@4 25
9..	3 00@3 65	3 40@4 25	3 75@4 50	9..	3 50@4 25	4 00@4 75	3 75@4 50
16..	3 10@3 75	3 10@3 90	3 75@4 60	16..	3 65@4 35	4 25@4 85	4 15@5 25
23..	3 00@3 75	3 25@4 10	3 65@4 60	23..	4 00@4 60	4 35@5 00	4 50@5 50
March 1..	3 00@3 50	3 60@4 40	3 75@4 65	March 1..	3 85@4 50	4 25@5 00	4 25@5 25
8..	3 00@3 65	3 60@4 25	3 75@4 75	8..	3 65@4 25	4 25@5 00	4 50@5 50
15..	3 10@3 85	3 35@4 10	4 00@4 85	15..	3 85@4 35	5 00@5 75	4 50@5 50
22..	3 35@4 00	3 75@4 25	4 50@5 25	22..	3 85@4 50	5 25@6 00	4 65@5 50
29..	3 25@4 00	3 85@4 30	4 25@5 00	29..	3 85@4 50	5 25@6 00	3 75@5 25
April 5..	3 25@3 85	3 75@4 25	4 25@5 25	April 5..	4 00@4 50	5 50@6 25	4 50@5 25
12..	3 25@4 00	3 75@4 35	4 50@5 35	12..	4 10@4 50	5 00@5 75	5 00@5 50
19..	3 15@3 90	3 75@4 35	4 50@5 40	19..	4 10@4 50	5 50@5 25	5 00@5 50
26..	3 15@4 00	3 75@4 40	4 25@5 40	26..	4 00@4 50	4 10@4 50	4 65@5 25
May 3..	3 25@4 00	3 65@4 40	4 10@5 25	May 3..	3 75@4 25	4 10@4 50	4 75@5 40
10..	3 25@4 00	3 25@4 15	4 25@5 35	10..	4 00@4 35	4 25@4 75	4 35@5 00
17..	3 10@4 00	3 25@4 10	4 10@5 25	17..	4 00@4 35	4 10@4 60	5 00@5 75
24..	3 10@4 00	3 25@4 00	4 25@5 35	24..	4 15@4 50	3 60@4 00	4 35@4 85
31..	3 35@4 25	3 40@4 25	4 00@5 25	31..	4 10@4 55	3 60@4 00	4 10@4 60
June 7..	3 25@4 25	3 25@4 25	3 75@5 25	June 7..	3 85@4 40	3 75@4 25	4 00@4 40
14..	3 25@4 25	3 40@4 40	3 50@5 15	14..	3 65@4 35	3 85@4 50	3 65@4 25
21..	3 00@4 00	3 25@4 25	3 25@5 15	21..	3 50@4 25	3 50@4 10	3 50@4 00
28..	3 00@4 25	3 00@4 00	3 25@5 25	28..	3 00@3 50	3 00@3 75	3 50@4 00
July 5..	3 00@4 25	3 00@3 90	3 25@5 25	July 5..	2 75@3 50	2 90@3 60	3 15@3 75
12..	3 00@4 00	3 00@4 00	3 25@5 25	12..	3 85@4 00	3 10@3 75	3 10@3 85
19..	3 00@4 25	3 00@4 10	3 25@5 10	19..	3 25@3 90	3 50@4 00	3 25@4 00
26..	3 00@4 25	2 85@4 00	3 15@5 00	26..	3 10@3 75	3 25@4 00	3 35@4 00
August 2..	2 75@4 00	2 75@4 00	3 25@5 10	August 2..	3 10@4 00	2 75@3 35	3 10@3 75
9..	2 65@3 75	2 75@4 00	3 50@5 25	9..	2 90@3 75	2 75@3 35	3 10@4 75
16..	3 00@4 00	2 60@3 90	3 25@5 00	16..	2 85@3 60	2 75@3 35	2 75@4 65
23..	2 75@3 75	2 50@3 65	3 25@4 60	23..	2 75@3 50	2 75@3 25	2 25@3 25
30..	2 75@3 75	2 50@3 75	3 00@4 40	30..	2 85@3 50	2 60@3 10	2 00@3 00
September 6..	2 75@3 75	2 65@3 75	3 25@4 35	September 6..	2 85@3 40	2 85@3 40	2 50@3 25
13..	2 75@3 75	2 25@3 50	3 00@4 10	13..	2 75@3 35	2 75@3 25	2 75@3 40
20..	2 65@3 75	2 50@3 50	3 00@4 00	20..	2 75@3 40	2 75@3 25	2 50@3 35
27..	2 50@3 50	2 40@3 50	3 00@4 00	27..	2 85@3 50	2 75@3 25	2 75@3 40
October 4..	2 50@3 75	2 50@4 40	3 00@4 25	October 4..	2 75@3 35	2 85@3 25	2 75@3 35
11..	2 50@3 75	2 75@3 65	3 00@4 25	11..	2 85@3 50	3 15@3 50	2 75@3 40
18..	2 35@3 50	2 65@3 50	3 00@4 00	18..	2 75@3 40	2 85@3 25	2 65@3 35
25..	2 50@3 50	2 50@3 50	2 90@4 00	25..	2 85@3 50	2 75@3 25	2 65@3 35
November 1..	2 50@3 25	2 85@3 25	3 00@4 00	November 1..	2 75@3 50	2 65@3 15	2 60@3 35
8..	2 50@3 40	2 60@3 35	3 00@4 15	8..	3 85@4 00	2 75@3 25	2 60@3 35
15..	2 50@3 50	2 50@3 35	3 00@4 10	15..	3 85@4 00	2 75@3 35	2 50@3 25
22..	2 35@3 25	2 50@3 40	3 00@4 00	22..	3 85@4 00	2 60@3 25	2 60@3 25
29..	2 50@3 50	2 50@3 40	3 25@4 15	29..	3 25@4 00	2 60@3 25	2 75@3 25
December 6..	2 35@3 50	2 35@3 25	3 15@4 00	December 6..	3 50@4 25	2 85@4 40	2 75@4 40
13..	2 25@3 25	2 65@3 60	3 00@4 00	13..	4 00@4 50	3 00@3 50	3 40@4 00
20..	2 35@3 50	2 60@3 60	3 25@4 25	20..	3 85@4 35	3 25@3 75	3 00@3 60
27..	2 40@3 60	2 60@3 75	3 50@4 40	27..	3 85@4 85	3 10@3 50	3 25@3 75

EXPORTS OF LIVE STOCK.

Exports of Live Stock from the United States, for years ending June 30:

KINDS.	1904	1903	1902	1901	1900	1899	1898	1897	1896	1895	1894
Cattle	593,409	402,178	392,884	459,218	396,977	389,490	439,255	392,200	872,461	331,722	359,278
Sheep	301,313	176,961	358,720	297,925	125,552	143,286	199,690	244,120	491,565	405,748	182,370
Hogs	6,345	4,031	8,368	22,318	50,975	33,031	14,411	28,751	21,049	7,130	1,553

MOVEMENT OF LIVE STOCK.

Total yearly movement of Hogs, Cattle and Sheep, at Cincinnati, for commercial years ending August 31, to 1891-92, and calendar years subsequently:

YEARS.	HOGS.		CATTLE.		SHEEP.	
	Received.	Shipped.	Received.	Shipped.	Received.	Shipped.
1877-78	1,048,394	225,676	173,967	80,564	362,493	286,961
1878-79	1,067,453	240,217	182,954	82,416	404,574	329,578
1879-80	976,741	245,773	229,451	105,485	525,554	400,697
1880-81	1,017,661	272,834	229,776	108,387	444,722	310,634
1881-82	781,406	184,519	241,671	96,014	804,418	629,269
1882-83	836,223	242,045	218,425	84,205	701,717	522,505
1883-84	879,989	323,638	197,176	71,724	592,974	445,418
1884-85	823,691	257,639	170,147	58,585	540,282	378,128
1885-86	779,956	215,025	199,344	71,606	585,292	382,383
1886-87	885,247	279,400	186,110	60,611	566,921	426,052
1887-88	792,954	261,090	206,573	70,530	606,976	412,096
1888-89	935,859	372,744	196,556	68,685	564,898	409,681
1889-90	1,048,189	481,801	222,345	92,804	529,016	412,086
1890-91	945,683	371,823	245,727	113,627	637,950	519,584
1891-92	1,121,186	517,980	254,539	119,857	709,305	561,560
1892	1,099,185	662,168	253,027	123,972	705,023	556,267
1893	1,032,875	611,303	227,008	97,567	686,137	545,798
1894	916,117	368,003	212,618	81,442	671,165	487,884
1895	952,246	383,500	208,890	72,001	632,432	413,507
1896	1,111,633	486,745	207,996	77,087	494,054	341,281
1897	1,018,134	293,043	209,091	71,424	450,217	341,729
1898	1,088,195	382,909	193,081	62,510	412,063	320,189
1899	992,603	341,255	219,395	74,828	383,487	275,045
1900	952,605	290,213	206,368	64,469	371,108	275,104
1901	898,464	308,926	228,755	78,581	409,238	277,248
1902	781,780	264,144	243,705	92,182	507,094	381,791
1903	887,816	315,571	259,383	114,968	511,990	379,430
1904	986,858	333,207	260,778	96,594	504,318	378,436

NOTE.—Figures for 1894 to 1904, inclusive, are exclusive of through movement.

MONTHLY MOVEMENT OF HOGS.

Monthly receipts and shipments of Hogs, at Cincinnati, for the four calendar years indicated:

MONTHS	RECEIPTS.				SHIPMENTS.			
	1904	1903	1902	1901	1904	1903	1902	1901
January	94,536	84,663	89,561	100,397	29,224	27,677	29,872	36,656
February	84,506	54,468	59,802	71,776	26,313	19,851	22,180	25,261
March	68,136	49,768	51,594	64,583	24,766	16,224	16,218	26,104
April	73,778	58,437	50,501	70,051	27,811	19,235	15,074	22,226
May	69,110	71,432	57,977	76,488	25,460	22,395	22,225	27,686
June	71,046	77,831	58,523	64,043	19,310	27,496	23,196	18,279
July	57,831	68,913	49,076	54,247	15,615	23,833	16,872	16,079
August	65,518	67,504	47,967	61,420	20,705	25,558	16,539	20,100
September	68,474	67,852	50,277	49,557	25,540	27,060	15,362	17,082
October	98,086	90,042	77,049	73,842	39,414	37,798	24,962	25,429
November	122,038	87,062	88,644	105,892	44,898	32,716	27,951	35,020
December	113,797	109,844	100,809	101,173	34,151	35,723	33,693	33,965
Totals	986,858	887,816	781,780	893,464	333,207	315,571	264,144	303,926

MOVEMENT OF LIVE STOCK.

Monthly and yearly receipts and shipments of Hogs, Cattle and Sheep, and average live weight, at the Cincinnati Union Stockyards:

MONTHS.	HOGS.				CATTLE.				SHEEP.			
	Receipts.		Shipments.		Receipts.		Shipments.		Receipts.		Shipments.	
	1904	1903	1904	1903	1904	1903	1904	1903	1904	1903	1904	1903
January.....	86,888	67,689	29,183	27,754	14,797	14,170	2,908	2,701	6,061	10,567	1,147	3,963
February.....	78,716	48,800	26,295	19,910	14,940	12,863	2,488	2,276	5,045	7,518	647	1,572
March.....	58,506	40,118	24,641	16,217	12,648	15,197	1,962	2,291	4,828	5,716	144	1,647
April.....	65,570	47,982	27,746	19,113	15,897	14,916	2,895	2,765	5,885	9,590	310	3,183
May.....	60,081	58,004	24,771	23,800	17,525	17,813	8,844	4,227	15,599	19,855	8,251	12,183
June.....	63,618	61,832	18,770	25,860	18,180	18,166	8,704	8,630	98,060	97,480	77,256	83,405
July.....	51,121	56,606	15,605	24,225	14,591	15,341	2,578	4,269	112,110	1,8,588	99,638	111,878
August.....	58,444	56,611	20,467	25,009	13,221	15,964	8,821	4,505	70,046	61,226	60,871	56,317
September.....	57,388	55,757	25,443	26,321	17,754	21,256	4,821	7,546	24,181	24,915	13,629	14,696
October.....	86,769	74,390	38,063	87,811	21,885	21,238	6,070	7,135	14,841	14,310	5,293	6,112
November.....	109,840	72,881	44,896	32,786	15,954	17,467	4,115	5,820	10,878	9,050	3,732	2,999
December.....	98,242	97,761	36,180	36,868	16,885	13,918	5,653	8,909	8,998	5,753	4,498	1,665
Totals.....	870,128	737,270	332,022	314,649	196,667	198,349	44,848	50,174	370,475	394,063	275,416	299,572

YEARS.	HOGS.			CATTLE.			SHEEP.		
	Receipts.	Shipm'ts.	Weight.	Receipts.	Shipm'ts.	Weight.	Receipts.	Shipm'ts.	Weight.
1887-88.....	655,508	234,621	217.87	157,045	37,328	988.09	340,438	238,891	77.22
1888-89.....	678,188	256,061	238.71	151,522	32,232	989.94	384,194	237,314	77.23
1889-90.....	727,017	306,487	212.71	165,256	45,696	998.31	305,642	218,233	75.44
1890-91.....	724,281	285,337	201.37	173,381	56,357	949.76	322,009	212,068	75.29
1891-92.....	635,591	260,843	197.22	175,361	51,676	941.67	311,973	184,531	73.13
1892.....	871,774	422,087	185.91	214,305	75,313	948.01	667,155	479,565	76.49
1893.....	712,816	363,299	189.67	191,620	58,769	926.81	584,322	459,763	76.58
1894.....	723,849	301,203	193.51	154,456	47,340	988.98	621,457	468,953	79.87
1895.....	820,687	335,909	203.33	179,684	44,473	920.75	597,507	410,616	77.33
1896.....	877,176	391,377	191.56	172,310	38,878	920.15	481,254	332,718	80.34
1897.....	881,392	396,708	183.43	178,919	43,614	860.11	490,858	324,784	79.04
1898.....	887,524	387,285	185.24	163,806	33,618	868.39	389,647	300,072	81.70
1899.....	809,827	337,524	184.31	169,751	38,773	846.59	280,097	199,110	75.78
1900.....	776,742	291,806	179.05	171,850	39,061	869.76	330,743	248,162	79.42
1901.....	742,701	308,427	179.61	181,921	42,755	882.14	353,922	251,525	73.13
1902.....	664,734	263,360	186.43	194,859	48,308	869.78	410,148	305,379	81.90
1903.....	737,270	314,649	185.99	198,349	50,174	883.18	394,063	299,572	81.61
1904.....	870,128	332,022	181.52	196,667	44,848	883.88	370,475	275,416	77.38

Average weight of Hogs, Cattle and Sheep, weighed at the Union Stockyards:

MONTHS.	HOGS.		CATTLE.		SHEEP.	
	1904	1903	1904	1903	1904	1903
January.....	189.70	196.50	926.95	908.10	85.54	89.80
February.....	184.19	199.50	905.22	905.40	74.46	84.90
March.....	175.19	187.30	900.78	891.40	69.86	81.00
April.....	170.33	181.18	869.06	851.94	70.27	79.64
May.....	179.85	184.39	890.10	782.78	75.92	75.83
June.....	181.04	194.76	855.08	875.76	74.02	74.10
July.....	185.52	197.30	878.02	868.70	71.03	75.70
August.....	187.05	190.63	840.01	878.45	73.04	76.84
September.....	182.45	180.23	851.04	900.11	78.17	81.78
October.....	175.11	168.64	885.14	897.32	78.01	82.86
November.....	181.01	172.60	910.08	914.14	87.08	85.48
December.....	187.37	178.84	895.12	926.10	91.08	91.41
Average for year.....	181.52	185.99	883.88	883.18	77.38	81.61

CINCINNATI PORK PACKING.

Details of Pork Packing, at Cincinnati, for the year ending March 1, 1905, with comparisons for the preceding year, in accordance with returns to the Superintendent of the Cincinnati Chamber of Commerce:

WINTER PACKING. NOVEMBER 1 TO MARCH 1—FOUR MONTHS.			SUMMER PACKING. MARCH 1 TO NOVEMBER 1—EIGHT MONTHS.		
ARTICLES.	1904-05	1903-04	ARTICLES.	1904	1903
Number of Hogs packed.....	268,269	247,947	Number of Hogs packed...	875,255	337,926
Increase.....	20,322		Increase.....	37,329	
Average live weight, lbs.....	220.04	212.45	Average live weight, lbs...	208.93	215.47
Increase.....	7.59		Decrease.....	6.54	
Average yield of Lard, lbs.....	34.46	33.88	Average yield of Lard, lbs..	36.24	39.44
Increase.....	58		Decrease.....	3.20	
Percentage yield of Lard.....	15.66	15.95	Percentage yield of Lard..	17.85	18.80
Decrease.....	29		Decrease.....	95	
Cost of Hogs, 100 lbs.....	\$4 81	\$4 91	Cost of Hogs, 100 lbs.....	\$5 41	\$6 07
Decrease.....	10		Decrease.....	66	
Aggregate live weight, lbs...	59,028,000	52,667,000	Aggregate live weight, lbs..	78,402,000	70,653,000
Increase.....	6,361,000		Increase.....	7,749,000	
Green Sides, etc., made, lbs..	19,479,000	17,380,000	Green Sides, etc., made, lbs.	25,089,000	22,609,000
Green Hams made, lbs.....	6,493,000	5,793,000	Green Hams made, lbs.....	8,624,000	7,772,000
Green Shoulders made, lbs..	5,313,000	4,740,000	Green Shoulders made, lbs..	7,056,000	6,358,000
Total Green Meats, lbs.....	31,285,000	27,913,000	Total Green Meats, lbs.....	40,769,000	36,739,000
Total Lard made, lbs.....	9,245,000	8,398,000	Total Lard made, lbs.....	13,597,000	13,326,000
Tierces of Lard, 330 lbs.....	28,015	25,448	Tierces of Lard, 330 lbs....	41,203	40,882
Total Product, lbs.....	40,580,000	36,311,000	Total Product, lbs.....	64,366,000	50,065,000
Mess Pork made, bbls.....		100	Mess Pork made, bbls.....	75	
Other Pork made, bbls.....	625	125	Other Pork made, bbls.....	150	
Aggregate cost of Hogs.....	\$2,839,000	\$2,588,000	Aggregate cost of Hogs....	\$4,248,000	\$4,291,000

Total number of Hogs packed, at Cincinnati, each year, ending March 1, for years indicated:

1873-74.....	669,648	1881-82.....	508,548	1889-90.....	464,556	1897-98.....	635,142
1874-75.....	696,317	1882-83.....	507,316	1890-91.....	523,810	1898-99.....	696,059
1875-76.....	682,142	1883-84.....	489,634	1891-92.....	484,173	1899-00.....	656,244
1876-77.....	644,749	1884-85.....	513,016	1892-93.....	456,396	1900-01.....	617,082
1877-78.....	766,718	1885-86.....	467,464	1893-94.....	382,818	1901-02.....	569,782
1878-79.....	778,101	1886-87.....	479,525	1894-95.....	536,790	1902-03.....	498,376
1879-80.....	684,493	1887-88.....	475,418	1895-96.....	559,780	1903-04.....	585,875
1880-81.....	632,981	1888-89.....	440,629	1896-97.....	625,570	1904-05.....	643,524

Average Live Weight and yield of Lard of Hogs packed, at Cincinnati, during winter seasons:

YEARS.	Weight.	Lard.	YEARS.	Weight.	Lard.	YEARS.	Weight.	Lard.
1875-76.....	273.68	37.80	1885-86.....	272.22	36.08	1895-96.....	233.46	36.54
1876-77.....	274.71	38.20	1886-87.....	265.45	35.06	1896-97.....	230.76	43.90
1877-78.....	284.06	40.96	1887-88.....	249.58	32.51	1897-98.....	217.33	39.77
1878-79.....	270.58	36.84	1888-89.....	270.10	37.85	1898-99.....	217.80	38.32
1879-80.....	266.31	36.18	1889-90.....	253.28	37.90	1899-00.....	210.32	37.48
1880-81.....	268.37	39.46	1890-91.....	237.20	32.03	1900-01.....	212.01	35.51
1881-82.....	263.93	36.79	1891-92.....	242.69	36.00	1901-02.....	199.95	34.60
1882-83.....	275.61	37.07	1892-93.....	228.60	33.70	1902-03.....	215.55	34.48
1883-84.....	262.08	34.13	1893-94.....	239.25	34.56	1903-04.....	212.45	33.88
1884-85.....	265.91	34.69	1894-95.....	235.57	43.76	1904-05.....	220.04	34.46

CINCINNATI PACKING COMPARISONS.

Total number of Hogs packed, at Cincinnati, each winter season, in seventy-two years, as indicated:

YEARS.	Winter.	YEARS.	Winter.	YEARS.	Winter.	YEARS.	Winter.
1833-34.....	123,000	1851-52.....	352,000	1869-70.....	337,330	1887-88.....	309,588
1834-35.....	162,000	1852-53.....	361,000	1870-71.....	481,560	1888-89.....	300,062
1835-36.....	123,000	1853-54.....	431,000	1871-72.....	630,301	1889-90.....	271,518
1836-37.....	103,000	1854-55.....	355,786	1872-73.....	626,305	1890-91.....	301,054
1837-38.....	182,000	1855-56.....	405,396	1873-74.....	581,253	1891-92.....	288,548
1838-39.....	190,000	1856-57.....	344,512	1874-75.....	560,164	1892-93.....	204,410
1839-40.....	95,000	1857-58.....	446,677	1875-76.....	563,359	1893-94.....	189,906
1840-41.....	160,000	1858-59.....	382,826	1876-77.....	523,576	1894-95.....	265,785
1841-42.....	220,000	1859-60.....	434,499	1877-78.....	632,302	1895-96.....	249,640
1842-43.....	250,000	1860-61.....	433,799	1878-79.....	623,584	1896-97.....	240,160
1843-44.....	240,000	1861-62.....	474,467	1879-80.....	534,559	1897-98.....	276,420
1844-45.....	196,000	1862-63.....	608,457	1880-81.....	522,425	1898-99.....	297,282
1845-46.....	305,000	1863-64.....	370,623	1881-82.....	384,878	1899-00.....	270,460
1846-47.....	250,000	1864-65.....	350,600	1882-83.....	425,400	1900-01.....	244,932
1847-48.....	475,000	1865-66.....	354,079	1883-84.....	365,451	1901-02.....	232,882
1848-49.....	410,000	1866-67.....	462,610	1884-85.....	385,435	1902-03.....	220,617
1849-50.....	393,000	1867-68.....	366,831	1885-86.....	332,696	1903-04.....	247,947
1850-51.....	334,000	1868-69.....	356,555	1886-87.....	331,401	1904-05.....	268,269

Total number of Hogs packed, at Cincinnati, each summer season, March 1 to November 1, for years indicated:

1873.....	88,395	1881.....	123,670	1889.....	193,043	1897.....	358,722
1874.....	136,158	1882.....	81,916	1890.....	222,756	1898.....	398,827
1875.....	118,783	1883.....	124,183	1891.....	195,625	1899.....	385,784
1876.....	121,173	1884.....	127,581	1892.....	251,986	1900.....	372,100
1877.....	134,416	1885.....	134,768	1893.....	192,910	1901.....	336,900
1878.....	154,517	1886.....	148,124	1894.....	271,055	1902.....	277,759
1879.....	149,934	1887.....	165,830	1895.....	310,140	1903.....	337,925
1880.....	110,556	1888.....	140,547	1896.....	385,410	1904.....	375,255

YEARLY COMPARISONS OF PORK PACKING.

Number of Hogs packed in the West for summer and winter seasons, and twelve months ending March 1, with production of Green Meats and Lard, and cost of Hogs, according to special reports of the *Cincinnati Price Current*:

YEARS.	Summer Season.	Winter Season.	Year ending March 1.	Green Meats Produced.	Total Lard Produced.	Total Cost of Hogs.
1886-87.....	5,644,003	6,439,009	12,083,012	1,619,126,000	394,118,000	\$119,985,000
1887-88.....	5,611,526	5,921,181	11,532,707	1,518,677,000	357,755,000	133,037,000
1888-89.....	5,215,122	5,483,852	10,798,974	1,409,251,000	329,227,000	140,908,000
1889-90.....	6,881,501	6,663,802	13,545,303	1,885,424,000	489,727,000	134,169,000
1890-91.....	9,540,008	8,173,126	17,713,134	2,371,376,000	618,732,000	158,445,000
1891-92.....	6,606,398	7,761,216	14,457,614	1,907,903,000	479,045,000	141,698,000
1892-93.....	7,757,110	4,633,520	12,390,630	1,537,111,000	388,985,000	155,766,000
1893-94.....	6,720,924	4,884,082	11,605,006	1,583,703,000	409,052,000	166,090,000
1894-95.....	6,812,125	7,191,520	16,003,645	2,072,195,000	533,055,000	172,679,000
1895-96.....	8,194,835	6,815,800	15,010,635	1,958,255,000	513,467,000	142,268,000
1896-97.....	9,979,888	6,949,090	16,928,978	2,250,158,000	662,040,000	135,456,000
1897-98.....	11,760,475	8,440,785	20,201,260	2,650,190,000	721,354,000	174,382,000
1898-99.....	13,931,550	9,720,145	23,651,695	3,071,396,000	808,478,000	203,696,000
1899-00.....	15,324,943	8,675,878	22,200,821	2,898,142,000	794,458,000	212,858,000
1900-01.....	14,322,924	9,277,750	23,600,674	3,061,322,000	805,708,000	274,682,000
1901-02.....	15,071,480	10,340,196	25,411,676	3,047,462,000	803,129,000	323,346,000
1902-03.....	12,146,965	8,458,606	20,605,571	2,578,880,000	650,707,000	313,537,000
1903-04.....	12,876,658	9,499,028	22,375,686	2,865,000,000	724,717,000	282,365,000
1904-05.....	13,461,920	10,456,503	23,918,423	2,973,000,000	768,271,000	262,698,000

MOVEMENT OF SUNDRY STAPLE PRODUCTS.

Receipts and shipments of Staple Products enumerated, at Cincinnati, for commercial years ending August 31, to 1891-92, and calendar years subsequently:

YEARS.	HAY.		BRAN, ETC.		HOPS.		FEATHERS.		PEANUTS.	
	Receipts, tons.	Shipm'ts, tons.	Receipts, tons.	Shipm'ts, tons.	Receipts, bales.	Shipm'ts, bales.	Receipts, sacks.	Shipm'ts, sacks.	Receipts, bush.	Shipm'ts, bush.
1888-89.....	111,686	56,023	26,268	21,258	13,489	6,875	12,860	10,348	281,900	819,275
1889-90.....	97,069	43,883	25,802	20,915	16,097	7,070	12,185	11,784	259,206	315,920
1890-91.....	110,979	55,323	31,745	26,962	14,027	5,697	13,818	14,093	690,965	366,491
1891-92.....	126,421	67,021	82,508	28,434	17,061	7,358	16,783	16,558	490,225	345,880
1892.....	124,526	66,636	27,785	23,381	14,648	6,439	16,979	16,791	416,124	352,620
1893.....	100,402	44,558	17,935	11,176	18,348	8,068	11,915	13,718	342,114	328,136
1894.....	98,080	35,594	22,984	15,976	23,748	8,471	14,670	13,896	309,301	254,421
1895.....	99,234	41,679	16,340	9,540	18,591	8,199	20,018	21,319	436,793	296,523
1896.....	76,784	19,728	25,819	19,189	18,668	12,148	18,883	18,558	444,309	200,507
1897.....	110,545	58,848	18,260	15,394	7,833	4,575	22,181	21,928	488,069	254,399
1898.....	135,013	93,193	15,510	9,066	20,145	10,399	22,571	18,769	310,718	268,096
1899.....	113,472	66,169	30,477	23,114	12,752	9,606	26,661	21,867	282,704	269,079
1900.....	89,911	38,579	46,751	38,462	19,129	14,509	29,890	21,808	194,826	115,376
1901.....	128,143	63,457	60,250	50,726	6,359	4,497	23,588	18,121	188,850	135,846
1902.....	166,909	91,378	78,784	67,014	8,582	3,653	24,426	15,648	247,095	170,796
1903.....	106,091	60,472	38,062	35,508	8,180	3,458	20,580	17,863	210,334	187,569
1904.....	110,371	53,961	43,041	39,288	7,575	1,976	18,713	19,284	317,484	247,869

YEARS.	BEER.		MALT.		SALT.		STARCH.		RICE.	
	Receipts, bbls.	Shipm'ts, bbls.	Receipts, bush.	Shipm'ts, bush.	Receipts, bbls.	Shipm'ts, bbls.	Receipts, boxes.	Shipm'ts, boxes.	Receipts, bbls.	Shipm'ts, bbls.
1888-89.....	51,857	390,328	720,090	556,925	297,198	177,407	221,500	630,956	84,831	23,700
1889-90.....	82,469	571,804	946,175	613,205	291,445	196,578	230,869	734,267	45,496	32,454
1890-91.....	69,500	613,159	762,989	669,909	298,966	206,069	173,761	704,908	47,777	29,692
1891-92.....	58,874	594,687	735,663	585,512	328,018	193,164	242,422	773,969	53,525	36,245
1892.....	55,220	582,828	790,221	584,149	331,313	200,237	233,812	755,193	58,287	37,118
1893.....	68,224	520,574	708,297	439,352	298,538	192,540	78,392	470,264	57,805	33,637
1894.....	47,900	456,756	547,888	469,869	271,251	159,676	147,562	594,733	35,104	21,529
1895.....	27,787	490,291	712,946	463,916	352,340	211,228	123,043	608,544	46,280	21,281
1896.....	20,507	493,964	674,682	509,355	360,169	214,923	216,325	707,902	32,320	18,008
1897.....	16,856	481,008	813,431	568,959	293,679	189,873	425,289	704,782	28,099	10,789
1898.....	15,501	461,226	739,103	717,234	323,583	222,970	645,268	1,126,125	39,514	22,596
1899.....	35,246	456,942	806,075	686,924	343,425	228,877	785,536	1,234,816	47,722	34,661
1900.....	34,853	445,898	955,445	783,702	191,495	102,618	672,626	1,135,034	65,739	43,661
1901.....	29,900	397,352	1,003,481	661,495	320,594	214,068	517,338	1,027,981	78,439	57,933
1902.....	48,953	446,940	1,012,907	555,989	443,440	310,604	886,176	835,052	105,447	77,231
1903.....	33,163	477,703	1,186,112	689,912	360,760	300,165	879,583	598,722	47,426	31,665
1904.....	29,546	568,993	1,137,655	748,527	476,599	362,741	473,971	860,082	62,094	36,198

YEARS.	SUGAR.		MOLASSES.		COFFEE.		CANDLES.		SOAP.	
	Receipts, bbls.	Shipm'ts, bbls.	Receipts, bbls.	Shipm'ts, bbls.	Receipts, bags.	Shipm'ts, bags.	Receipts, boxes.	Shipm'ts, boxes.	Receipts, boxes.	Shipm'ts, boxes.
1888-89.....	225,016	106,086	48,088	45,865	251,132	145,128	5,217	149,568	102,751	863,694
1889-90.....	304,309	167,901	51,825	47,536	271,817	171,463	6,301	171,159	140,575	927,603
1890-91.....	351,050	210,626	68,774	56,077	229,441	156,194	5,855	150,815	170,340	1,011,631
1891-92.....	281,682	144,417	39,061	38,236	277,597	168,254	7,568	189,717	143,624	1,066,926
1892.....	282,106	150,023	39,906	42,376	285,600	183,384	12,929	175,326	140,887	1,065,306
1893.....	284,821	115,107	46,016	49,778	249,859	175,260	7,559	168,103	136,977	1,063,153
1894.....	284,410	136,248	53,571	44,121	215,803	160,067	9,051	142,273	136,954	1,266,133
1895.....	287,500	143,343	47,337	35,671	242,850	176,530	10,408	180,548	137,140	1,287,821
1896.....	250,140	124,554	40,028	26,052	278,874	217,839	7,660	128,002	110,780	1,428,757
1897.....	276,946	118,060	40,837	32,700	346,932	266,923	8,702	125,470	153,817	1,546,376
1898.....	266,951	126,185	57,333	42,135	358,269	281,285	14,801	137,193	132,087	1,572,797
1899.....	353,690	189,662	47,604	39,084	325,820	248,454	13,919	164,640	163,020	1,998,914
1900.....	335,139	109,012	41,716	35,031	205,710	156,858	27,202	121,609	141,326	2,247,397
1901.....	288,276	134,829	55,476	36,872	282,682	246,194	13,753	195,618	144,791	2,497,221
1902.....	335,279	142,098	82,477	48,503	316,727	251,060	12,438	199,640	185,370	2,567,447
1903.....	263,790	101,997	37,606	35,360	264,686	180,148	10,470	101,393	177,718	2,757,585
1904.....	284,520	112,205	45,987	35,126	290,002	238,144	11,948	111,398	182,890	3,038,726

MOVEMENT OF FLOUR, SEED, POTATOES AND COTTON.

Receipts and shipments of Flour, Grass Seed, Flaxseed, Potatoes and Cotton, at Cincinnati, for commercial and calendar years indicated:

YEARS.	FLOUR.		GRASS SEED.		FLAXSEED.		POTATOES.		COTTON.	
	Receipts, bbls.	Shipm'ts, bbls.	Receipts, bags.	Shipm'ts, bags.	Receipts, bush.	Shipm'ts, bush.	Receipts, bbls.	Shipm'ts, bbls.	Receipts, bales.	Shipm'ts, bales.
1883-84.....	920,361	709,110	77,288	70,104	18,536	1,142	358,680	228,481	308,387	302,658
1884-85.....	874,548	585,080	85,900	83,509	10,463	2,962	517,619	248,863	276,636	272,447
1885-86.....	832,686	568,989	86,242	82,934	47,095	510	404,909	221,611	387,175	381,016
1886-87.....	1,043,657	807,110	116,172	104,582	54,425	31,567	301,913	178,967	341,100	332,142
1887-88.....	1,026,619	758,253	95,066	91,026	2,966	1,382	614,179	287,729	362,524	353,968
1888-89.....	1,055,122	709,563	100,043	82,279	25,588	18,216	621,821	323,517	365,896	351,272
1889-90.....	1,587,768	1,220,455	118,617	92,872	32,380	23,528	359,554	213,249	316,674	307,443
1890-91.....	1,712,475	1,480,076	77,401	78,874	1,487	237	605,017	225,842	349,839	337,198
1891-92.....	2,040,466	1,710,614	104,549	96,792	108,292	107,942	559,494	331,433	302,096	282,850
1892.....	1,903,846	1,529,181	109,663	95,607	61,158	60,613	558,387	330,157	267,101	260,428
1893.....	1,879,586	1,435,363	118,218	112,405	40,197	38,586	620,018	294,674	221,628	207,406
1894.....	1,475,345	1,089,665	143,136	123,939	993	824	573,067	250,881	347,517	334,187
1895.....	1,892,545	1,504,858	126,563	111,360	2,910	1,546	843,712	373,243	272,368	258,962
1896.....	1,964,843	1,583,203	147,109	124,229	1,682	555	601,985	307,018	296,410	286,820
1897.....	1,984,822	1,592,295	151,067	118,248	1,856	441	734,473	319,525	249,682	240,604
1898.....	2,318,410	1,917,909	165,624	107,770	1,589	57	750,887	259,391	318,709	288,741
1899.....	2,154,374	1,778,373	150,484	123,525	425	.....	774,698	367,571	353,368	340,181
1900.....	2,561,977	2,161,744	190,811	148,398	1,102	614	1,067,428	402,482	201,193	196,847
1901.....	3,031,743	2,560,351	187,927	167,377	2,646	2,152	654,793	325,099	233,966	212,172
1902.....	2,408,058	1,898,091	229,683	201,294	2,516	2,171	594,816	308,785	179,619	175,737
1903.....	1,553,704	1,102,959	119,745	96,148	3,714	1,839	602,681	248,816	108,517	91,134
1904.....	1,524,725	1,088,986	180,904	145,329	3,671	1,517	603,003	215,389	148,320	146,755

MOVEMENT OF GREEN AND DRIED FRUIT.

Receipts and shipments of Green Apples, Oranges, Lemons and Dried Fruit, at Cincinnati, for commercial and calendar years indicated:

YEARS.	GREEN APPLES.		ORANGES.		LEMONS.		DRIED FRUIT.	
	Receipts, bbls.	Shipm'ts, bbls.	Receipts, boxes.	Shipm'ts, boxes.	Receipts, boxes.	Shipm'ts, boxes.	Receipts, pounds.	Shipm'ts, pounds.
1879-80.....	147,699	72,345	89,837	.....	19,375	.....	3,008,136	2,336,152
1880-81.....	216,880	113,314	46,130	.....	23,701	.....	4,791,666	2,949,380
1881-82.....	229,589	119,582	56,344	17,571	25,991	4,973	4,613,340	3,186,086
1882-83.....	306,041	181,091	91,881	35,621	40,979	11,021	3,677,756	4,578,336
1883-84.....	284,083	115,229	141,129	81,965	61,806	18,516	6,701,224	5,335,904
1884-85.....	278,827	114,008	180,046	109,964	45,487	14,765	8,471,120	6,106,240
1885-86.....	281,141	152,414	119,061	62,214	35,148	10,378	5,868,044	3,366,944
1886-87.....	242,058	120,262	198,318	127,415	61,197	18,968	2,764,189	3,828,625
1887-88.....	362,847	198,438	131,216	67,761	53,003	13,946	4,791,680	3,372,407
1888-89.....	275,157	213,170	241,697	153,192	54,549	19,591	3,828,111	2,059,135
1889-90.....	210,659	190,775	244,770	151,779	71,074	25,596	4,298,880	4,040,774
1890-91.....	153,211	92,897	315,083	212,235	52,562	23,612	2,437,197	1,832,312
1891-92.....	284,469	166,741	508,092	391,617	71,989	37,417	5,805,284	4,683,604
1892.....	306,498	153,847	518,524	398,154	72,728	37,133	3,357,787	2,561,180
1893.....	223,263	130,545	526,430	392,852	71,438	34,589	3,340,682	2,522,453
1894.....	239,299	92,398	664,893	505,080	71,955	30,323	6,897,168	4,303,096
1895.....	244,585	155,231	157,632	92,451	56,339	26,002	9,266,133	6,747,802
1896.....	434,013	219,029	99,839	43,236	68,895	27,770	5,481,111	4,367,904
1897.....	385,409	202,185	108,650	50,122	68,230	30,546	5,686,044	3,618,571
1898.....	233,619	103,284	138,304	56,208	42,072	19,691	4,341,041	3,455,200
1899.....	210,877	106,186	121,519	52,765	65,550	29,793	5,634,697	4,545,681
1900.....	351,982	154,715	199,016	91,177	56,779	26,901	4,217,692	2,717,099
1901.....	222,087	128,160	343,818	163,736	86,181	45,850	3,284,236	2,142,585
1902.....	356,653	134,765	231,681	132,001	63,239	59,518	4,512,244	2,165,504
1903.....	390,203	204,730	266,368	192,456	67,633	31,435	3,095,432	1,147,407
1904.....	416,991	203,045	389,089	199,119	78,066	35,112	3,566,722	1,726,399

MOVEMENT OF BUTTER, CHEESE, EGGS AND WOOL.

Receipts and shipments of Butter, Cheese, Eggs and Wool, at Cincinnati, for commercial years ending August 31, to 1891-92, calendar years subsequently:

YEARS.	BUTTER.				CHEESE.		EGGS.		WOOL.	
	Receipts, barrels.	Receipts, tubs, etc.	Shipm'ts, barrels.	Shipm'ts, tubs, etc.	Receipts, boxes.	Shipm'ts, boxes.	Receipts, cases.	Shipm'ts, cases.	Receipts, bales.	Shipm'ts, bales.
1881-82.....	680	125,142	550	20,396	116,559	56,407	108,476	7,319	33,801	36,683
1882-83.....	1,083	115,671	218	12,859	105,845	47,822	152,354	37,808	27,170	25,996
1883-84.....	944	96,004	70	14,851	98,574	45,107	177,172	58,076	18,284	17,923
1884-85.....	856	87,812	100	16,944	97,852	48,520	147,458	44,506	23,042	27,006
1885-86.....	785	98,071	247	20,884	82,752	38,872	213,619	69,899	32,357	32,075
1886-87.....	746	80,693	156	6,623	91,197	40,090	245,235	99,323	26,212	24,404
1887-88.....	517	73,281	270	8,829	104,950	40,948	179,437	53,064	16,611	17,664
1888-89.....	643	78,976	729	8,698	95,824	45,609	258,573	181,783	31,560	30,666
1889-90.....	377	80,361	144	8,789	125,923	60,696	290,896	159,876	42,026	37,047
1890-91.....	.....	72,847	.....	17,333	120,474	64,255	262,212	157,626	39,087	37,973
1891-92.....	.....	68,672	.....	10,174	118,964	73,370	262,694	145,009	68,589	68,279
1892.....	.....	75,523	.....	9,922	128,627	81,823	272,661	154,110	79,167	79,011
1893.....	.....	81,143	.....	9,856	125,476	75,627	318,881	165,328	55,483	58,361
1894.....	.....	90,711	.....	15,085	118,289	67,681	321,011	161,237	52,315	51,628
1895.....	.....	122,383	.....	21,066	153,214	95,608	267,494	92,834	26,362	31,097
1896.....	.....	135,594	.....	23,992	144,451	95,048	361,265	176,448	22,741	25,145
1897.....	.....	127,147	.....	28,080	137,258	89,980	339,457	176,409	45,614	47,263
1898.....	.....	138,549	.....	27,320	102,568	56,830	306,423	189,275	16,894	20,447
1899.....	.....	160,207	.....	34,813	112,098	68,401	389,543	221,649	29,640	33,476
1900.....	.....	223,424	.....	32,759	136,897	78,527	414,623	129,578	11,983	16,503
1901.....	.....	237,946	.....	29,139	137,402	78,712	493,218	206,545	23,572	33,508
1902.....	.....	223,075	.....	36,619	145,484	78,789	464,799	243,458	60,324	66,220
1903.....	.....	120,800	.....	45,291	111,989	72,990	338,327	237,289	145,660	151,524
1904.....	.....	146,598	.....	47,322	128,490	85,009	377,263	265,276	111,878	125,442

MOVEMENT OF OILS, TALLOW, HIDES AND LEATHER.

Receipts and shipments of Petroleum, Other Oils, Tallow, Hides and Leather, at Cincinnati, for years ending August 31, to 1891-92, calendar years subsequently:

YEARS.	PETROLEUM.		OTHER OILS.		TALLOW.		HIDES.		LEATHER.	
	Receipts, bbls.	Shipm'ts, bbls.	Receipts, bbls.	Shipm'ts, bbls.	Receipts, tierces.	Shipm'ts, tierces.	Receipts, pieces.	Shipm'ts, pieces.	Receipts, bundles.	Shipm'ts, bundles.
1880-81.....	240,647	.....	129,886	270,163	40,771	10,788	323,006	205,665	43,751	42,164
1881-82.....	241,108	168,895	114,000	96,767	36,263	4,046	353,022	225,708	47,373	49,897
1882-83.....	219,068	123,216	135,959	111,542	32,936	10,819	339,124	219,206	43,516	51,914
1883-84.....	219,980	122,629	124,628	109,893	36,829	14,173	231,849	167,046	36,967	46,037
1884-85.....	234,467	150,612	90,675	68,960	41,223	12,987	282,290	191,956	35,121	42,174
1885-86.....	306,804	220,854	124,458	84,675	40,277	9,963	271,227	155,923	35,610	47,638
1886-87.....	469,940	359,052	107,783	79,414	44,548	13,912	370,465	200,087	37,513	50,606
1887-88.....	635,356	466,349	81,579	81,692	34,175	10,452	344,412	192,274	36,253	49,881
1888-89.....	533,188	335,658	90,954	60,117	39,617	3,699	372,091	178,085	39,542	56,906
1889-90.....	724,305	481,205	83,653	77,746	54,919	3,441	425,019	284,706	51,544	70,363
1890-91.....	679,995	492,187	141,025	106,684	75,277	5,760	498,560	306,349	61,041	79,162
1891-92.....	501,738	306,414	157,006	126,575	57,983	6,600	499,122	320,776	64,487	94,083
1892.....	481,935	274,302	150,000	124,153	60,958	5,559	552,514	402,905	69,611	94,364
1893.....	473,935	292,704	152,954	109,780	54,628	5,110	545,575	442,653	66,170	74,378
1894.....	430,856	206,605	200,808	140,267	50,999	4,583	497,040	351,533	73,994	73,331
1895.....	439,431	195,046	259,636	218,625	44,851	4,784	503,726	428,120	86,349	71,775
1896.....	401,942	178,376	193,305	149,283	57,377	7,028	412,174	344,668	97,245	86,450
1897.....	377,392	144,098	208,964	146,273	48,945	2,440	464,418	351,601	101,882	88,813
1898.....	417,301	142,032	290,200	270,393	74,949	9,181	568,964	441,269	152,326	118,445
1899.....	359,209	137,277	345,817	303,815	90,580	20,925	630,315	439,938	192,842	173,156
1900.....	334,898	127,572	346,626	287,092	61,452	7,948	587,400	319,959	237,539	188,798
1901.....	321,734	109,179	518,499	421,772	61,823	5,023	650,772	451,687	291,617	226,541
1902.....	316,749	110,990	590,193	474,346	59,406	9,442	758,507	631,148	308,465	225,511
1903.....	270,784	126,962	475,895	435,548	48,151	6,278	566,281	502,477	259,281	200,427
1904.....	290,792	100,927	520,908	446,744	59,950	4,022	657,284	548,633	230,323	197,458

NOTE.—Petroleum shipments not reported separately from Other Oils previous to 1881-82.

PRICES OF CLOVER AND TIMOTHY SEED, AND HAY.

Quotations for Clover Seed and Timothy Seed, on arrival, at Cincinnati, per bushel, and Hay (No. 1 Timothy), per ton, on Tuesday of each week, in years indicated:

DATES.	CLOVER SEED.		TIMOTHY SEED.		HAY.	
	1904	1903	1904	1903	1904	1903
January 5.....	\$5 75@6 00	\$5 25@5 60	\$1 20@1 35	\$1 55@1 65	\$12 50@13 00	\$15 50@16 00
12.....	5 75@6 00	5 25@5 60	1 20@1 35	1 55@1 65	12 75	16 00@16 50
19.....	5 75@6 00	5 40@6 00	1 20@1 35	1 55@1 65	12 75@13 00	16 50@17 00
26.....	5 75@6 25	6 00@6 50	1 20@1 35	1 60@1 70	12 75@13 25	16 50@17 25
February 2.....	5 75@6 25	6 00@6 50	1 25@1 35	1 60@1 70	13 25	16 00@16 50
9.....	5 75@6 25	6 00@6 50	1 25@1 35	1 60@1 70	13 25@13 50	16 00@16 50
16.....	5 75@6 25	6 00@6 35	1 25@1 35	1 55@1 65	13 25@13 50	16 00@16 50
23.....	5 75@6 25	6 00@6 35	1 25@1 35	1 55@1 65	12 50@12 75	16 00@16 75
March 1.....	5 75@6 25	6 25@6 75	1 25@1 35	1 55@1 65	12 50@12 75	16 00@16 25
8.....	6 00@6 80	6 25@6 75	1 25@1 35	1 55@1 65	13 00	16 00@16 75
15.....	6 40@6 60	6 25@6 75	1 25@1 35	1 55@1 65	13 50@13 75	16 50@17 00
22.....	6 25@6 60	6 75@7 10	1 25@1 35	1 45@1 60	13 50	16 75@17 25
29.....	6 25@6 60	6 75@7 00	1 25@1 35	1 45@1 60	13 75@14 00	17 00@17 50
April 5.....	6 25@6 50	6 00@6 50	1 25@1 35	1 35@1 50	13 75@14 00	17 50@18 00
12.....	5 75@6 00	6 00@6 50	1 20@1 30	1 35@1 50	13 75	17 25@18 00
19.....	5 50@5 75	6 50@6 90	1 20@1 30	1 35@1 50	13 75@14 00	16 50@17 00
26.....	5 50@5 75	6 50@6 75	1 20@1 30	1 35@1 50	13 75@14 00	16 25
May 3.....	4 80@5 00	6 50@7 00	1 20@1 30	1 35@1 50	14 00@14 50	15 25@16 00
10.....	4 80@5 00	5 40@5 50	1 20@1 30	1 35@1 50	15 00	16 50@17 00
17.....	4 80@5 00	5 40@5 50	1 20@1 30	1 35@1 50	15 25@15 50	18 50
24.....	4 80@5 00	5 40@5 50	1 20@1 30	1 35@1 50	15 00@15 50	18 00
31.....	4 80@5 00	5 40@5 50	1 20@1 30	1 35@1 50	14 75@15 25	17 50@17 75
June 7.....	4 80@5 00	5 40@5 50	1 20@1 30	1 35@1 50	13 80@13 75	17 50@18 00
14.....	4 80@5 00	5 40@5 50	1 20@1 30	1 35@1 50	13 00@13 25	18 00@18 50
21.....	4 80@5 00	5 50@5 75	1 20@1 30	1 50@1 60	14 50	18 50@19 50
28.....	4 80@5 00	5 50@6 00	1 20@1 30	1 50@1 60	13 50@14 00	18 00@19 00
July 5.....	4 80@5 00	.....	1 20@1 30	.....	12 00@12 50	17 00@18 00
12.....	4 80@5 00	.....	1 20@1 30	.....	13 00@13 50	16 50@17 50
19.....	4 80@5 00	.....	1 20@1 30	.....	13 00@13 50	16 50@17 50
26.....	4 80@5 00	.....	1 20@1 30	.....	13 00@13 25	16 50@17 00
August 2.....	4 80@5 00	.....	1 20@1 30	.....	13 50@13 75	16 50@17 00
9.....	5 75@6 25	.....	1 25@1 35	.....	18 50@14 00	16 50@17 00
16.....	5 75@6 25	.....	1 25@1 35	1 35@1 50	18 00@13 50	13 00
23.....	6 00@6 50	5 25@5 50	1 20@1 35	1 35@1 50	*12 00@12 50	11 50
30.....	6 00@6 50	5 25@5 50	1 20@1 35	1 35@1 50	11 50@12 00	11 50@12 00
September 6.....	6 00@6 50	5 00@5 35	1 20@1 35	1 35@1 50	12 00@12 25	12 00@12 50
13.....	6 00@6 50	5 00@5 25	1 20@1 35	1 35@1 50	11 25@11 50	12 50@13 00
20.....	6 00@6 50	5 00@5 25	1 20@1 35	1 35@1 50	11 00@11 50	13 00@13 50
27.....	6 00@6 50	5 40@5 70	1 15@1 25	1 35@1 50	11 00@11 50	12 75@13 25
October 4.....	6 00@6 75	5 40@5 70	1 12@1 25	1 35@1 50	11 50@12 00	12 75@13 25
11.....	6 00@6 75	5 40@5 70	1 12@1 25	1 35@1 50	11 50@12 00	12 50@13 00
18.....	5 50@6 60	5 40@5 70	1 12@1 25	1 35@1 50	12 25@12 50	13 00@13 25
25.....	5 50@6 60	5 25@5 80	1 12@1 25	1 25@1 40	11 50@12 00	12 75@13 00
November 1.....	5 50@6 50	5 25@5 80	1 12@1 25	1 25@1 40	11 50	12 25@12 50
8.....	5 50@6 50	5 25@5 80	1 12@1 25	1 25@1 40	11 50	12 25@12 50
15.....	5 50@6 25	5 25@5 80	1 15@1 30	1 25@1 40	11 25@11 50	12 50@12 75
22.....	5 50@6 25	5 25@5 80	1 15@1 30	1 25@1 40	11 75@12 00	12 50@12 75
29.....	5 50@6 25	5 25@5 80	1 15@1 30	1 25@1 40	12 00@12 25	12 50
December 6.....	5 50@6 25	5 25@5 80	1 15@1 30	1 25@1 40	12 25@12 50	12 50@13 00
13.....	6 50@7 50	5 50@6 80	1 15@1 30	1 25@1 40	12 00@12 50	12 50@13 00
20.....	6 50@7 50	5 70@6 00	1 15@1 30	1 20@1 35	12 25@12 50	12 75@13 00
27.....	6 50@7 50	5 75@6 00	1 15@1 30	1 20@1 35	12 00	12 75

* New.

PRICES OF HAY BY GRADES.

Prices of Hay, at Cincinnati, at the close of December, as indicated:

KINDS.	1904	1903	1902	1901	1900	1899
No. 1 Timothy, on arrival.....	\$12 00@12 25	\$12 50@13 00	\$14 00@14 50	\$13 50	\$14 00@14 25	\$12 00@12 50
No. 2 Timothy, on arrival.....	10 50@11 00	11 00@11 50	13 00@13 50	11 50@12 00	12 00@12 25	11 00@11 50
Mixed, on arrival.....	9 00@10 50	9 00@10 50	12 00@13 50	9 00@11 50	11 00@12 50	9 50@11 00

PRICES OF BUTTER, CHEESE AND EGGS.

Quotations for choice Dairy Butter, fancy Creamery Butter, and Ohio Cheese, per pound, and Eggs, per dozen, at Cincinnati, on Tuesday of each week:

DATES.	DAIRY BUTTER.		CREAMERY BUTTER.		CHEESE.		EGGS.	
	1904	1903	1904	1903	1904	1903	1904	1903
January 5.....	12	17	21 $\frac{1}{2}$ @22 $\frac{1}{2}$	26 @27	10 $\frac{1}{2}$	12 $\frac{3}{4}$	32	24
12.....	12	18	21 $\frac{1}{2}$ @22 $\frac{1}{2}$	26 @27	10 $\frac{1}{2}$	12 $\frac{3}{4}$	25	26
19.....	11	17	19 $\frac{1}{2}$ @20 $\frac{1}{2}$	24 @25	10 $\frac{1}{2}$	12 $\frac{3}{4}$	27	24
26.....	11 $\frac{1}{2}$	17	19 $\frac{1}{2}$ @20 $\frac{1}{2}$	22 @23	10 $\frac{1}{2}$	12 $\frac{3}{4}$	30	23
February 2.....	11	15	19 $\frac{1}{2}$ @20 $\frac{1}{2}$	22 @23	10 $\frac{1}{2}$	12 $\frac{3}{4}$	27	20
9.....	11 $\frac{1}{2}$	15	21 $\frac{1}{2}$ @22 $\frac{1}{2}$	22 @23	10 $\frac{1}{2}$	12 $\frac{3}{4}$	27	14
16.....	12	15	23 @24	23 @24	10 $\frac{1}{2}$	12 $\frac{3}{4}$	27	15 $\frac{1}{2}$
23.....	12	16	23 @24	24 @25	10 $\frac{1}{2}$	12 $\frac{3}{4}$	22	13
March 1.....	12	16	23 @24	24 $\frac{1}{2}$ @25	10 $\frac{1}{2}$	12 $\frac{3}{4}$	19	16 $\frac{1}{2}$
8.....	12	16	22 @23	24 $\frac{1}{2}$ @25	10 $\frac{1}{2}$	12 $\frac{3}{4}$	16 $\frac{1}{2}$	16 $\frac{1}{2}$
15.....	12	15	22 @23	25 $\frac{1}{2}$ @26	10 $\frac{1}{2}$	12 $\frac{3}{4}$	17	13
22.....	12	15	22 @23	25 $\frac{1}{2}$ @26	10 $\frac{1}{2}$	12 $\frac{3}{4}$	14 $\frac{1}{2}$	12
29.....	11	15	22 @23	25 $\frac{1}{2}$ @26	10 $\frac{1}{2}$	12 $\frac{3}{4}$	17	12
April 5.....	11	15	22 @23	25 $\frac{1}{2}$ @26	10 $\frac{1}{2}$	12 $\frac{3}{4}$	16	12
12.....	11	15	22 @23	24 $\frac{1}{2}$ @25	10 $\frac{1}{2}$	12 $\frac{3}{4}$	16 $\frac{1}{2}$	12 $\frac{1}{2}$
19.....	11	15	20 $\frac{1}{2}$ @21 $\frac{1}{2}$	24 $\frac{1}{2}$ @25	10 $\frac{1}{2}$	12 $\frac{3}{4}$	16 $\frac{1}{2}$	13 $\frac{1}{2}$
26.....	11	15	20 $\frac{1}{2}$ @21 $\frac{1}{2}$	19 $\frac{1}{2}$ @21 $\frac{1}{2}$	10 $\frac{1}{2}$	12 $\frac{3}{4}$	16 $\frac{1}{2}$	14
May 3.....	11	14	20 $\frac{1}{2}$ @21 $\frac{1}{2}$	17 $\frac{1}{2}$ @19 $\frac{1}{2}$	10	12 $\frac{3}{4}$	17	13 $\frac{1}{2}$
10.....	12	12 $\frac{1}{2}$	20 @ 11 $\frac{1}{2}$	18 $\frac{1}{2}$ @20 $\frac{1}{2}$	10	12 $\frac{3}{4}$	16 $\frac{1}{2}$	12 $\frac{1}{2}$
17.....	11	13	19 $\frac{1}{2}$ @21	18 $\frac{1}{2}$ @20 $\frac{1}{2}$	9 $\frac{1}{2}$	12 $\frac{3}{4}$	16 $\frac{1}{2}$	12
24.....	10 $\frac{1}{2}$	13	18 $\frac{1}{2}$ @20	18 $\frac{1}{2}$ @20 $\frac{1}{2}$	9 $\frac{1}{2}$	12 $\frac{3}{4}$	15 $\frac{1}{2}$	13 $\frac{1}{2}$
31.....	10 $\frac{1}{2}$	14	17 $\frac{1}{2}$ @19	19 @21	9 @ 9 $\frac{1}{2}$	12 $\frac{3}{4}$	15	13 $\frac{1}{2}$
June 7.....	11	14	17 $\frac{1}{2}$ @19	19 @21	9 @ 9 $\frac{1}{2}$	11	15 $\frac{1}{2}$	13 $\frac{1}{2}$
14.....	11	14 $\frac{1}{2}$	17 $\frac{1}{2}$ @19	18 @20	9 @ 9 $\frac{1}{2}$	11	16	14
21.....	11	14	17 $\frac{1}{2}$ @19	18 @20	8 @ 8 $\frac{1}{2}$	11 $\frac{1}{2}$	16	14
28.....	10	14	17 $\frac{1}{2}$ @19	18 @20	8 @ 8 $\frac{1}{2}$	11 $\frac{1}{2}$	16	14
July 5.....	10	13	17 $\frac{1}{2}$ @19	18 @20	8 @ 8 $\frac{1}{2}$	11 $\frac{1}{2}$	16	13 $\frac{1}{2}$
12.....	10	12	17 $\frac{1}{2}$ @19	18 @20	8 @ 8 $\frac{1}{2}$	10 $\frac{1}{2}$	16	12
19.....	10	12 $\frac{1}{2}$	17 @18 $\frac{1}{2}$	17 @19	8 @ 8 $\frac{1}{2}$	10 $\frac{1}{2}$	16	12 $\frac{1}{2}$
26.....	10	12	17 @18 $\frac{1}{2}$	15 $\frac{1}{2}$ @17 $\frac{1}{2}$	8 @ 8 $\frac{1}{2}$	10 $\frac{1}{2}$	16	12 $\frac{1}{2}$
August 2.....	10	12	17 @18 $\frac{1}{2}$	15 $\frac{1}{2}$ @17 $\frac{1}{2}$	8 @ 8 $\frac{1}{2}$	10 $\frac{1}{2}$	15 $\frac{1}{2}$	13
9.....	10	12	17 @18 $\frac{1}{2}$	16 @18	8 @ 8 $\frac{1}{2}$	10 $\frac{1}{2}$	15	14
16.....	10	12	18 @19	16 @18	8 @ 8 $\frac{1}{2}$	10 $\frac{1}{2}$	15	16
23.....	10	12	18 @19	16 $\frac{1}{2}$ @18 $\frac{1}{2}$	8 @ 8 $\frac{1}{2}$	10 $\frac{1}{2}$	16	16
30.....	10	12	18 @19	16 $\frac{1}{2}$ @18 $\frac{1}{2}$	8 @ 8 $\frac{1}{2}$	10 $\frac{1}{2}$	16	18
September 6.....	10	12	19 @20	16 $\frac{1}{2}$ @18 $\frac{1}{2}$	8 @ 8 $\frac{1}{2}$	10 $\frac{1}{2}$	16	18
13.....	10 $\frac{1}{2}$	12	19 @20	16 $\frac{1}{2}$ @18 $\frac{1}{2}$	8 @ 8 $\frac{1}{2}$	10 $\frac{1}{2}$	16	18
20.....	10 $\frac{1}{2}$	12 $\frac{1}{2}$	19 $\frac{1}{2}$ @20 $\frac{1}{2}$	18 @19	8 @ 8 $\frac{1}{2}$	10 $\frac{1}{2}$	18	19
27.....	10 $\frac{1}{2}$	12 $\frac{1}{2}$	20 @20 $\frac{1}{2}$	19 @20	8 @ 8 $\frac{1}{2}$	10 $\frac{1}{2}$	18	19
October 4.....	10 $\frac{1}{2}$	12 $\frac{1}{2}$	20 @20 $\frac{1}{2}$	18 @19	8 @ 8 $\frac{1}{2}$	10 $\frac{1}{2}$	18	19
11.....	10 $\frac{1}{2}$	12 $\frac{1}{2}$	20 @20 $\frac{1}{2}$	18 @19	8 @ 8 $\frac{1}{2}$	10 $\frac{1}{2}$	19	19
18.....	10 $\frac{1}{2}$	12 $\frac{1}{2}$	21 @21 $\frac{1}{2}$	18 $\frac{1}{2}$ @19 $\frac{1}{2}$	8 @ 8 $\frac{1}{2}$	10 $\frac{1}{2}$	19	20
25.....	12	12 $\frac{1}{2}$	21 $\frac{1}{2}$ @22	19 @20	8 @ 8 $\frac{1}{2}$	10 $\frac{1}{2}$	20	21
November 1.....	12	12 $\frac{1}{2}$	23 @23 $\frac{1}{2}$	19 $\frac{1}{2}$ @20 $\frac{1}{2}$	8 @ 8 $\frac{1}{2}$	10 $\frac{1}{2}$	21	23
8.....	12	12 $\frac{1}{2}$	23 @23 $\frac{1}{2}$	19 $\frac{1}{2}$ @20 $\frac{1}{2}$	8 @ 8 $\frac{1}{2}$	10 $\frac{1}{2}$	23	25
15.....	13	12 $\frac{1}{2}$	25 @25 $\frac{1}{2}$	19 $\frac{1}{2}$ @20 $\frac{1}{2}$	9 @10	10 $\frac{1}{2}$	25	25
22.....	13	12 $\frac{1}{2}$	25 @25 $\frac{1}{2}$	21 $\frac{1}{2}$ @22 $\frac{1}{2}$	9 @10	10 $\frac{1}{2}$	25	28
29.....	13	12 $\frac{1}{2}$	25 @25 $\frac{1}{2}$	22 $\frac{1}{2}$ @23 $\frac{1}{2}$	10 @10 $\frac{1}{2}$	10 $\frac{1}{2}$	26	28
December 6.....	18	12 $\frac{1}{2}$	26 $\frac{1}{2}$ @27	22 $\frac{1}{2}$ @23 $\frac{1}{2}$	10 @10 $\frac{1}{2}$	10 $\frac{1}{2}$	26	27
13.....	14	12 $\frac{1}{2}$	26 $\frac{1}{2}$ @27	22 $\frac{1}{2}$ @23 $\frac{1}{2}$	10 @10 $\frac{1}{2}$	10 $\frac{1}{2}$	26	30
20.....	14 $\frac{1}{2}$	12 $\frac{1}{2}$	26 $\frac{1}{2}$ @27	21 $\frac{1}{2}$ @22 $\frac{1}{2}$	10 @10 $\frac{1}{2}$	10 $\frac{1}{2}$	26	30
27.....	14 $\frac{1}{2}$	12	27 @28	21 $\frac{1}{2}$ @22 $\frac{1}{2}$	10 @10 $\frac{1}{2}$	10 $\frac{1}{2}$	22	31

PRICES OF BUTTERINE.

Prices of Butterine, at Cincinnati, for the year 1904, ranged as follows:

January.....	11@15	April.....	11@15	July.....	11@15	October.....	11 @15
February.....	11@15	May.....	11@15	August.....	11@15	November.....	11 $\frac{1}{2}$ @15
March.....	11@15	June.....	11@15	September.....	11@15	December.....	11 $\frac{1}{2}$ @15

PRICES OF APPLES, ORANGES, LEMONS AND POTATOES.

Quotations for Green Apples (choice), per barrel; Oranges (choice), per box; Lemons (choice), per box; Potatoes, per bushel, at Cincinnati, each week:

DATES.	GREEN APPLES.		ORANGES.		LEMONS.		POTATOES.	
	1904	1903	1904	1903	1904	1903	1904	1903
January 5....	\$2 75@3 00	\$2 50@2 75	\$1 60@2 40	\$2 25@3 50	\$2 20@3 25	\$3 75@4 00	65 @ 70	52 @ 57
12....	2 75@3 00	2 00@2 50	1 40@2 80	2 25@3 50	1 50@2 75	3 75@4 00	78 @ 80	52 @ 55
19....	2 75@3 00	2 00@2 50	1 50@3 00	2 35@3 25	1 50@3 00	2 25@3 00	78 @ 80	55 @ 60
26....	2 75@3 00	2 00@2 75	1 00@3 00	2 35@3 25	2 00@3 25	2 25@3 00	85 @	55 @ 58
February 2....	3 00@3 50	2 00@2 75	1 25@3 00	2 35@3 25	1 50@4 00	2 25@3 00	95 @	50 @ 53
9....	3 00@3 25	2 00@2 75	1 25@3 00	2 35@3 25	1 50@3 00	2 25@3 00	98 @ 95	48 @ 50
16....	3 00@3 25	2 00@2 75	1 25@3 00	2 25@3 25	1 50@3 00	2 25@2 50	93 @ 95	48 @ 50
23....	3 25@3 50	2 50@3 00	1 25@3 00	2 25@3 25	1 50@3 00	2 25@2 50	90 @ 93	50 @ 52
March 1....	3 25@3 50	2 50@3 00	1 25@3 25	2 25@3 25	2 75@3 00	2 25@2 50	95 @ 98	58 @ 55
8....	3 00@3 25	2 50@3 00	1 25@3 25	2 25@3 25	3 00@3 25	2 25@2 50	1 00 @1 05	58 @ 55
15....	2 00@2 50	2 25@2 75	1 25@3 25	2 25@3 25	3 00@3 25	2 25@2 50	93 @1 40	58 @ 57
22....	2 00@2 50	2 00@2 25	1 25@3 25	2 25@3 25	2 75@3 25	2 25@2 50	98 @1 50	50 @ 53
29....	2 00@2 50	2 25@2 75	1 25@3 25	2 25@3 25	2 75@3 25	2 25@2 50	98 @1 50	50 @ 52
April 5....	2 00@2 50	2 25@2 75	1 25@3 25	2 25@3 25	2 75@3 25	2 25@3 00	1 20 @1 50	50 @ 52
12....	2 00@2 50	2 25@3 00	1 25@3 25	2 25@3 25	2 75@3 25	2 25@3 00	1 20 @1 25	40 @ 52
19....	2 00@2 50	2 25@2 75	1 25@3 25	2 25@3 00	2 75@3 25	2 25@3 25	1 25 @1 30	45 @ 50
26....	2 00@2 50	2 50@2 75	1 75@4 00	2 25@3 00	2 00@3 00	2 25@3 25	1 25 @1 60	50 @ 55
May 3....	2 00@2 50	2 25@2 50	1 75@4 00	2 25@3 00	2 00@3 00	2 25@3 25	1 15 @1 60	55 @ 60
10....	2 00@2 50	2 00@2 25	1 75@4 00	2 25@3 00	2 00@3 00	2 25@3 25	1 10 @1 15	58 @ 60
17....	2 00@2 50	3 00@4 00	2 00@4 00	2 25@3 00	2 00@3 00	2 25@3 25	1 10 @1 15	55 @ 63
24....	2 00@2 50	3 00@4 00	2 75@4 00	2 25@3 00	2 00@3 00	2 25@3 25	1 10 @1 15	55 @ 60
31....	2 00@2 50	3 25@3 50	2 75@4 00	2 25@3 00	2 00@3 00	3 25@3 75	1 10 @1 15	50 @ 55
June 7....	2 00@2 50	3 25@3 50	2 50@3 50	2 25@3 00	1 60@3 50	3 25@3 75	1 30 @	85 @ 90
14....	2 00@2 50	3 25@3 50	2 50@3 50	2 25@3 00	1 90@3 50	3 00@3 75	1 25 @1 50	1 00
21....	2 00@2 50	3 00@3 50	2 50@3 50	2 50@3 50	1 90@3 50	2 75@4 50	1 25 @1 40	1 00
28....	4 00@4 25	1 00@3 00	2 60@3 50	2 50@3 50	1 90@3 50	2 75@4 50	90 @1 00	1 00
July 5....	3 75@4 00	2 00@3 00	2 50@2 75	2 50@3 50	1 00@3 50	2 75@4 50	85 @ 90	75
12....	3 75@4 00	2 00@3 00	2 75@3 00	2 50@3 50	1 00@3 50	2 75@4 50	65 @ 70	70
19....	1 50@2 25	2 50@2 75	1 00@3 00	1 50@3 00	1 00@3 50	2 75@5 00	65 @	70
26....	1 50@2 00	1 75@2 00	3 00 @	1 50@3 00	1 25@3 50	2 75@5 00	65 @	60
August 2....	1 50@2 00	1 75@2 00	3 00 @	1 50@3 00	2 00@3 00	2 75@5 00	50 @ 55	58 @ 60
9....	1 50@2 00	1 50@1 75	3 00 @	2 25@3 75	2 00@3 00	2 00@5 00	55 @ 60	58 @ 60
16....	1 50@2 00	1 50@1 75	3 50 @	2 25@3 75	1 00@3 50	2 00@5 00	60 @ 65	60 @ 65
23....	1 50@2 00	1 25@1 50	3 50 @	2 25@4 00	1 00@3 50	2 00@5 00	65 @ 70	58 @ 60
30....	1 00@1 50	1 25@1 75	3 50 @	2 25@4 00	1 50@3 25	2 00@5 00	45 @ 50	55 @ 60
September 6....	1 00@1 50	1 25@2 50	3 50 @	2 25@4 00	1 50@3 25	2 00@5 00	45 @ 50	60
13....	1 25@1 40	1 50@2 25	3 50 @	2 75 @	1 50@3 25	2 25@4 00	58 @ 55	50 @ 58
20....	1 00@1 40	1 50@2 25	3 50 @	2 75 @	1 50@3 25	2 25@4 00	50 @ 55	65
27....	1 25@1 75	1 50@2 25	3 50 @	3 00 @	1 50@3 25	1 00@4 50	45 @ 47	55 @ 63
October 4....	1 25@1 75	1 50@2 25	3 50 @	3 00 @	1 50@3 25	1 00@4 50	35 @ 42	40 @ 60
11....	1 25@1 75	1 25@2 25	2 75@3 00	3 00@4 00	3 25@4 00	1 00@4 50	45 @ 50	45 @ 60
18....	1 25@1 75	1 25@2 25	2 75@3 00	2 75@3 75	3 25@4 00	2 50@4 50	40 @ 45	40 @ 57
25....	1 25@2 00	1 25@2 25	2 50@2 75	2 50@3 75	3 50@4 00	2 50@4 50	45 @ 50	40 @ 60
November 1....	1 25@2 00	1 25@2 25	2 50@2 65	2 25@3 00	3 50@4 00	2 40 @	40 @ 45	40 @ 65
8....	1 25@2 00	1 25@2 50	2 50@2 65	2 40@3 00	3 50@4 00	3 50 @	40 @ 48	60 @ 65
15....	2 25@2 50	1 25@2 50	2 25@2 65	1 75@3 00	3 50@4 00	2 15@3 50	45 @ 48	65 @ 70
22....	2 25@2 50	1 25@2 50	2 25@2 40	2 25@3 00	3 00@3 75	2 25@3 75	45 @ 48	60 @ 68
29....	2 25@2 50	2 75@3 00	2 25@2 40	2 25@3 00	3 00@3 75	2 25@3 75	45 @ 47	60 @ 68
December 6....	2 25@2 50	2 75@3 00	2 25@2 40	2 25@3 00	3 00@3 75	2 25@3 75	45 @ 45	60 @ 68
13....	2 25@2 50	2 75@3 00	2 25@2 40	1 60@2 40	3 00@3 75	2 20@3 25	40 @ 43	60 @ 68
20....	2 25@2 50	2 75@3 00	2 20@2 25	1 60@2 40	1 65@3 75	2 20@3 25	40 @ 43	65 @ 70
27....	2 25@2 50	2 75@3 00	1 60@2 25	1 60@2 40	1 60@2 75	2 20@3 25	38 @ 40	65 @ 70

POTATO CROPS OF THE UNITED STATES.

Estimated yearly production of Potatoes in the United States, in bushels:

1885.....	175,029,000	1890.....	148,079,000	1895.....	297,237,000	1900.....	210,927,000
1886.....	168,061,000	1891.....	254,427,000	1896.....	262,235,000	1901.....	187,598,000
1887.....	134,108,000	1892.....	156,655,000	1897.....	164,018,000	1902.....	284,633,000
1888.....	202,365,000	1893.....	183,034,000	1898.....	192,306,000	1903.....	247,128,000
1889.....	204,990,000	1894.....	170,787,000	1899.....	228,788,000	1904.....	332,530,000

PRICES OF COFFEE AND SUGAR.

Quotations for Fair Rio Coffee, Off A and Hards Sugar, per pound, at Cincinnati, on Tuesday of each week:

DATES.		FAIR RIO COFFEE.		OFF A SUGAR.		HARDS SUGAR.	
		1904	1908	1904	1908	1904	1908
January	5.....	97 ¹ / ₂	78 ¹ / ₂	4.68@4.78	4.77@4.87	4.98@5.58	5.12@5.72
	12.....	97 ¹ / ₂	78 ¹ / ₂	4.68@4.78	4.87@4.97	4.98@5.58	5.22@5.82
	19.....	97 ¹ / ₂	78 ¹ / ₂	4.68@4.78	4.87@4.97	4.98@5.58	5.22@5.82
	26.....	106 ¹ / ₂	78 ¹ / ₂	4.58@4.68	4.83@4.93	4.98@5.58	5.18@5.78
February	2.....	11 ¹ / ₂	78 ¹ / ₂	4.63@4.73	4.83@4.93	4.98@5.58	5.18@5.78
	9.....	10	78 ¹ / ₂	4.63@4.73	4.73@4.83	4.98@5.58	5.08@5.68
	16.....	10	78 ¹ / ₂	4.63@4.73	4.78@4.88	4.98@5.58	5.18@5.78
	23.....	99 ¹ / ₂	78 ¹ / ₂	4.63@4.73	4.83@4.93	4.98@5.58	5.18@5.78
March	1.....	97 ¹ / ₂	78 ¹ / ₂	4.73@4.83	4.83@4.93	5.08@5.68	5.18@5.78
	8.....	97 ¹ / ₂	78 ¹ / ₂	4.73@4.88	4.88@4.98	5.18@5.78	5.28@5.88
	15.....	97 ¹ / ₂	78 ¹ / ₂	4.78@4.98	4.88@4.98	5.18@5.78	5.28@5.88
	22.....	97 ¹ / ₂	78 ¹ / ₂	4.78@4.98	4.88@4.98	5.18@5.78	5.28@5.88
April	29.....	97 ¹ / ₂	78 ¹ / ₂	4.83@4.98	4.88@4.98	5.23@5.83	5.28@5.88
	5.....	97 ¹ / ₂	78 ¹ / ₂	4.83@4.98	4.83@4.93	5.23@5.83	5.18@5.78
	12.....	97 ¹ / ₂	78 ¹ / ₂	4.83@4.98	4.88@4.98	5.23@5.83	5.28@5.88
	19.....	97 ¹ / ₂	78 ¹ / ₂	4.83@4.98	4.98@5.08	5.23@5.83	5.33@5.93
May	26.....	97 ¹ / ₂	78 ¹ / ₂	4.83@4.98	4.98@5.08	5.23@5.83	5.33@5.93
	3.....	97 ¹ / ₂	78 ¹ / ₂	4.88@5.03	4.98@5.08	5.28@5.88	5.33@5.93
	10.....	97 ¹ / ₂	78 ¹ / ₂	4.93@5.08	4.98@5.08	5.33@5.93	5.38@5.98
	17.....	97 ¹ / ₂	78 ¹ / ₂	4.98@5.18	4.98@5.08	5.38@5.98	5.33@5.93
June	24.....	97 ¹ / ₂	78 ¹ / ₂	5.03@5.18	4.98@5.08	5.43@6.03	5.33@5.93
	31.....	97 ¹ / ₂	78 ¹ / ₂	5.08@5.23	4.98@5.08	5.48@6.08	5.33@5.93
	7.....	97 ¹ / ₂	78 ¹ / ₂	5.03@5.18	4.98@5.08	5.43@6.03	5.33@5.93
	14.....	97 ¹ / ₂	78 ¹ / ₂	5.03@5.18	4.98@5.08	5.43@6.03	5.33@5.93
July	21.....	97 ¹ / ₂	78 ¹ / ₂	5.03@5.18	4.98@5.08	5.43@6.03	5.33@5.93
	28.....	97 ¹ / ₂	78 ¹ / ₂	5.13@5.28	4.98@5.08	5.53@6.13	5.33@5.93
	4.....	97 ¹ / ₂	78 ¹ / ₂	4.83@5.03	4.93@5.03	5.28@5.98	5.28@5.88
	11.....	97 ¹ / ₂	78 ¹ / ₂	5.08@5.18	5.03@5.18	5.43@6.18	5.33@5.93
August	18.....	97 ¹ / ₂	78 ¹ / ₂	5.08@5.18	5.08@5.18	5.43@6.18	5.43@6.08
	25.....	97 ¹ / ₂	78 ¹ / ₂	5.13@5.28	5.08@5.18	5.48@6.18	5.43@6.08
	1.....	97 ¹ / ₂	78 ¹ / ₂	5.13@5.28	5.08@5.18	5.48@6.18	5.43@6.08
	8.....	97 ¹ / ₂	78 ¹ / ₂	5.28@5.88	5.08@5.18	5.63@6.33	5.43@6.08
September	15.....	97 ¹ / ₂	78 ¹ / ₂	5.28@5.88	5.08@5.18	5.63@6.33	5.43@6.08
	22.....	97 ¹ / ₂	78 ¹ / ₂	5.28@5.88	5.08@5.18	5.63@6.33	5.43@6.08
	29.....	97 ¹ / ₂	78 ¹ / ₂	5.28@5.88	5.08@5.18	5.63@6.33	5.43@6.08
	6.....	97 ¹ / ₂	78 ¹ / ₂	5.33@5.43	5.08@5.18	5.68@6.38	5.43@6.08
October	13.....	97 ¹ / ₂	78 ¹ / ₂	5.33@5.43	4.98@5.08	5.68@6.38	5.53@5.98
	20.....	10	78 ¹ / ₂	5.33@5.43	4.98@5.08	5.68@6.38	5.53@5.98
	27.....	10	78 ¹ / ₂	5.33@5.43	4.98@5.08	5.68@6.38	5.53@5.98
	4.....	10	78 ¹ / ₂	5.33@5.43	4.88@4.98	5.68@6.38	5.28@5.88
November	11.....	10	78 ¹ / ₂	5.13@5.28	4.68@4.78	5.48@6.18	5.03@5.63
	18.....	10	8 ¹ / ₂	5.03@5.18	4.68@4.78	5.38@6.08	5.03@5.63
	25.....	10	8 ¹ / ₂	5.08@5.18	4.73@4.83	5.43@6.13	5.08@5.68
	1.....	10	8 ¹ / ₂	5.28@5.38	4.73@4.83	5.63@6.33	5.08@5.68
December	8.....	10	8 ¹ / ₂	5.38@5.48	4.73@4.83	5.73@6.43	5.08@5.68
	15.....	10	8 ¹ / ₂	5.53@5.63	4.73@4.83	5.88@6.58	5.08@5.68
	22.....	10	8 ¹ / ₂	5.53@5.63	4.73@4.83	5.88@6.58	5.08@5.68
	29.....	10	8 ¹ / ₂	5.53@5.63	4.63@4.73	5.88@6.58	4.98@5.58
December	6.....	10	9 ¹ / ₂	5.53@5.63	4.63@4.73	5.88@6.58	4.98@5.58
	13.....	10	9 ¹ / ₂	5.73@5.88	4.63@4.73	6.08@6.78	4.98@5.58
	20.....	10 ¹ / ₂	9 ¹ / ₂	5.78@5.83	4.63@4.73	6.08@6.78	4.98@5.58
	27.....	10 ¹ / ₂	9 ¹ / ₂	5.73@5.83	4.63@4.73	6.08@6.78	4.98@5.58

PRICES OF MOLASSES.

Quotations for Prime to Strict Prime New Orleans Molasses, per gallon, at Cincinnati, monthly, in 1904:

January	32@34	April	32@34	July	32@34	October	32@34
February	32@31	May	32@34	August	32@34	November	32@34
March	32@34	June	32@34	September	32@34	December	30@36

PRICES OF COFFEE.

Prices of the various kinds of Coffee, per pound, at Cincinnati, at the close of December, as indicated:

GRADES.	1904	1903	1902	1901	1900	1899
Rio, prime	115 $\frac{1}{2}$	108 $\frac{1}{2}$	88 $\frac{1}{2}$	101 $\frac{1}{2}$	91 $\frac{1}{2}$	91 $\frac{1}{2}$
Rio, good	111 $\frac{1}{2}$	104 $\frac{1}{2}$	85 $\frac{1}{2}$	10	91 $\frac{1}{2}$	91 $\frac{1}{2}$
Rio, fair	107 $\frac{1}{2}$	99 $\frac{1}{2}$	81 $\frac{1}{2}$	98 $\frac{1}{2}$	9	9 $\frac{1}{2}$
Rio, low fair	106 $\frac{1}{2}$	98 $\frac{1}{2}$	78 $\frac{1}{2}$	91 $\frac{1}{2}$	88 $\frac{1}{2}$	88 $\frac{1}{2}$
Rio, good ordinary	101 $\frac{1}{2}$	9	77 $\frac{1}{2}$	88 $\frac{1}{2}$	88 $\frac{1}{2}$	88 $\frac{1}{2}$
Rio, ordinary	10	89 $\frac{1}{2}$	67 $\frac{1}{2}$	85 $\frac{1}{2}$	8	78 $\frac{1}{2}$
Rio, low ordinary	97 $\frac{1}{2}$	85 $\frac{1}{2}$	62 $\frac{1}{2}$	78 $\frac{1}{2}$	78 $\frac{1}{2}$	78 $\frac{1}{2}$
Rio, strict good common	96 $\frac{1}{2}$	77 $\frac{1}{2}$	57 $\frac{1}{2}$	74 $\frac{1}{2}$	73 $\frac{1}{2}$	73 $\frac{1}{2}$
Rio, good common	96 $\frac{1}{2}$	75 $\frac{1}{2}$	57 $\frac{1}{2}$	71 $\frac{1}{2}$	71 $\frac{1}{2}$	71 $\frac{1}{2}$
Rio, common	88 $\frac{1}{2}$	78 $\frac{1}{2}$	...	67 $\frac{1}{2}$	7	68 $\frac{1}{2}$
Java, Government	22 $\frac{1}{2}$	22 @30	18 @30	18 @30	18 @33	18 @30
Mocha	17	17 @22	16 $\frac{1}{2}$ @19	18 $\frac{1}{2}$ @20	18 @20	19

NOTE.—The average annual consumption of Coffee in the United States for ten years ending June 30, 1903, was 10.29 pounds per capita; of Tea, 1.20 pounds; of Sugar, 65.93 pounds. The total importation of Coffee for the year ending June 30, 1904, was 995,043,000 pounds; for the preceding year, 915,086,000 pounds. About 77 per cent of the arrivals for the two years came from Brazil, 11 per cent from other South American countries, 5 $\frac{1}{2}$ per cent from Central America, 6 $\frac{1}{2}$ per cent from other sources.

TEMPERATURE RECORDS AT CINCINNATI.

Maximum and minimum records of Temperature, at Cincinnati, the annual mean and annual range, and greatest daily range, in degrees Fah., as prepared for the Chamber of Commerce from records of the Weather Bureau, by S. S. BASSLER, Local Forecaster:

YEARS.	Maximum.	DATES.	Minimum.	DATES.	Mean.	Range.	Greatest Daily Range.
1876.....	96	July 11, 18, 19.	— 6	December 9.	55.2	102	36
1877.....	92	Jun. 18, Jul. 8, 15.	— 4	January 9.	56.2	96	31
1878.....	96	July 11, 17, 18.	— 1	December 24.	57.0	97	36
1879.....	98	July 11, 16.	—10	January 3.	56.2	108	41
1880.....	96	July 18.	— 5	Dec. 29, 30.	56.8	101	32
1881.....	104	July 10.	2	January 1.	57.7	102	31
1882.....	96	June 25.	1	December 8.	56.9	95	36
1883.....	94	July 22.	6	January 22.	55.3	88	36
1884.....	98	June 22.	—10	January 5.	56.0	103	37
1885.....	97	July 20.	—10	Feb. 11, 12.	51.0	107	37
1886.....	95	July 29.	—12	January 11.	52.5	107	36
1887.....	101	July 18.	— 5	January 3.	55.3	106	44
1888.....	97	August 3.	6	February 27.	53.4	91	38
1889.....	92	July 9, Sept. 1.	6	February 23.	54.8	86	38
1890.....	96	June 28.	7	March 6.	56.4	89	39
1891.....	92	August 9.	4	February 4.	54.7	88	38
1892.....	98	July 24.	2	December 27.	53.8	96	34
1893.....	95	July 30.	—11	January 15.	53.7	106	34
1894.....	96	August 9.	— 4	January 25.	56.1	100	35
1895.....	97	June 3.	—12	February 3.	53.6	109	43
1896.....	96	August 6.	— 2	February 20.	55.6	98	37
1897.....	98	July 4.	—10	January 25.	55.3	108	36
1898.....	98	July 3.	1	February 3.	55.9	97	41
1899.....	99	September 6.	—17	February 9.	55.0	116	34
1900.....	97	September 10.	— 5	February 25.	56.0	102	41
1901.....	105	July 22.	— 7	December 15.	54.0	112	47
1902.....	96	July 17.	0	February 3.	55.0	96	36
1903.....	96	July 10.	— 1	February 17.	54.8	97	36
1904.....	94	July 17, Aug. 25	0	February 16.	53.0	94	47

Mark (—) as indicated, means below zero.

PRICES OF SUGAR AND MOLASSES.

Prices of the various kinds of Sugar, per pound, and of Molasses and Syrups, per gallon, at Cincinnati, at the close of December:

SUGAR.			MOLASSES.		
KINDS.	1904	1903	KINDS.	1904	1903
New Orleans:			New Orleans—Open Kettle:		
Clarified, white	4.45@4.57½	4.45@4.57½	Choice to fancy.....	34@40	38@40
Yellow	4.20@4.40	4.20@4.40	Prime to strict prime.....	30@33	32@34
" common	3.00@3.70	2.95@3.70	Fair to prime.....	28@30	28@31
Refined:			New Orleans—Centrifugals:		
Cubes.....	6.43	5.23	Choice to fancy.....	20@25	20@25
Powdered	6.28	5.08	Prime to strict prime.....	16@19	16@19
Granulated.....	6.18	4.88	Common to prime.....	14@15	12@15
" Off A.....	5.83@5.93	4.63@4.73	Sorghum:		
Extra "C"	5.43@5.58	4.33@4.43	Prime to choice.....	32@33	35@36
Yellow	5.33@5.38	4.13@4.28	Fair to good.....	31@32	33@34

LOW AND HIGH PRICES OF PIG IRON.

Lowest and highest quotations of No. 2 Southern Coke Foundry Iron, per ton, at Cincinnati, for years indicated:

YEARS.	LOWEST.		HIGHEST.	
	Quotations.	Months.	Quotations.	Months.
1896.....	\$9 00@ 9 25	March, April.....	\$12 75	October, November.
1896.....	9 25@ 9 75	September.....	11 50	January.
1897.....	8 50@ 8 75	June.....	10 00@10 25	January.
1898.....	9 25@ 9 50	July, August.....	9 75@10 25	December.
1899.....	10 25@10 50	January.....	20 75@21 75	October.
1900.....	12 50@14 00	October.....	20 75@21 75	January.
1901.....	13 00@13 25	August.....	14 00@14 75	December.
1902.....	14 25@15 00	January.....	24 00@26 25	October.
1903.....	12 00@12 50	December.....	21 75@22 75	January.
1904.....	11 75@12 25	July.....	16 25@16 75	December.

Lowest and highest quotations of No. 1 Hanging Rock Charcoal Iron, per ton, at Cincinnati, for years indicated:

YEARS.	LOWEST.		HIGHEST.	
	Quotations.	Months.	Quotations.	Months.
1896.....	\$15 50@15 75	May, June.....	\$18 00@18 25	January, February.
1896.....	15 00@16 00	November, December.....	16 00@17 00	May, June.
1897.....	14 25@15 50	September to December, inclusive..	15 00@16 25	January.
1898.....	14 00@15 50	June, July.....	14 50@15 50	Jan. to May, and Aug. to Dec., inc.
1899.....	15 00@16 00	January.....	24 00@26 00	November, December.
1900.....	20 00@21 00	October, November, December.....	26 00@27 00	May.
1901.....	19 50@20 00	February.....	20 00@21 50	December.
1902.....	20 50@21 50	January.....	36 00@37 00	September, October.
1903.....	24 15@25 15	October, November, December.....	32 15@34 15	January, February.
1904.....	22 15@22 65	March to August.....	23 65@24 65	December.

NOTE.—Elsewhere in this report will be found comparative monthly and yearly average prices of Pig Iron, at Cincinnati, covering a period of twenty years.

PRICES OF SOAP AND OILS.

Prices of leading kinds of Soap, at Cincinnati, at the close of December:

KINDS.	1904	1908	1902	1901	1900
German, per box (60 lbs.)...	\$2 40 @2 45	\$2 65 @2 70	\$2 65 @2 70	\$2 55 @2 60	\$2 25 @2 30
Oleine, " (60 lbs.)...	2 40 @2 45	2 50 @2 55	2 70 @2 75	2 60 @2 65	2 40 @2 45
Family, " (60 lbs.)...	2 30 @2 35	2 40 @2 45	2 40 @2 45	2 40 @2 45	2 20 @2 25
Castile, mottled, per lb.	7½ @ 8½	7½ @ 8½	7½ @ 8½	7½ @ 8½	7½ @ 8½
Castile, white, "	12½	12½	12½	12½	12½ @ 13
Extra Olive, per box (60 lbs.)...	2 30 @2 35	2 40 @2 45	2 40 @2 45	2 40 @2 45	2 20 @2 25
Lenox, " (75 lbs.)...	2 80 @2 85	3 05 @3 10	3 05 @3 10	3 15 @3 20	2 95 @3 00
Town Talk, " (62½ lbs.)...	2 30 @2 35	2 45 @2 50	2 40 @2 45	2 45 @2 50	2 25 @2 30
Ivory, " (62½ lbs.)...	6 70 @6 75	6 70 @6 75	6 70 @6 75	6 70 @6 75	6 70 @6 75

Prices of Oils under the head of Petroleum, per gallon, which are quoted by the Chamber of Commerce, at Cincinnati, at the close of December, as indicated:

KINDS.	1904	1908	1902	1901	1900	1899	1898
Carbon Oil, 120° flash test.....	10	12½	10	8½	7½ @ 8	8 @ 8½	6½ @ 7½
" 150° W. W.....	11	18½	11	10	8½ @ 9	9 @ 9½	7½ @ 8½
" H. L. 175° fire test.....	12	14½	15	11	9½ @ 10	10 @ 10½	8½ @ 9½
West Virginia, 28° gravity.....	17	17	17	28 @ 26	22 @ 25	22 @ 25	22 @ 25
" 29° "	19	19	19	21 @ 26	20 @ 25	20 @ 23	20 @ 23

PRICES OF COTTON WARPS, ETC.

Prices of Warps, Wicking, Twine, Rope, Batting and Wadding, at Cincinnati, at the close of December, for years indicated:

STOCK.	1904	1908	1902	STOCK.	1904	1908	1902
Carpet Warps, white, per lb.....	18	21	15	Rope, 3-16 to 6-16 inch, fine thread, per lb....	15	15 @ 18	11½
Carpet Warps, colored, per lb.....	20	23	17	Batting, per lb.....	8 @ 15	10 @ 17	6 @ 12
Candle Wicking, per lb	12 @ 20	18 @ 23	12 @ 16½	Wadding, black, 2 lbs., per doz.....	25 @ 35	30 @ 35	20 @ 30
Twine, Argonaut, per lb.....	18	23	15½	Wadding, black, 1 lb., per doz.....	22 @ 32	20 @ 27	17 @ 18

NOTE.—Above prices based on sixty days' time; 2 per cent off if paid in ten days.

PRICES OF PAPER.

Wholesale quotations for Paper, per pound, in large lots, at Cincinnati, at the close of December, for two years:

KINDS.	1904	1908	KINDS.	1904	1908
Book, sized and supercalendered	4½ @ 4¾	4 @ 4½	Wrapping, rag	1½ @ 1¾	1½ @ 2
Book, sized and calendered.....	4 @ 4½	3¾ @ 4½	Wrapping, straw.....	1½ @ 1¾	1½ @ 1¾
Book, No. 8.....	3¾ @ 3¾	3½ @ 3¾	Writing, fine.....	6½ @ 8	6½ @ 8
Manilla, No. 1.....	3 @ 3¾	3¼ @ 3¾	Writing, superfine.....	10 @ 15	11 @ 15
Manilla, No. 2.....	2 @ 2½	2¼ @ 2½	Writing, manilla.....	3¾ @ 4¾	3¾ @ 4¾
News, print.....	2¼ @ 3	3 @ 3¼			

PRICES OF LUMBER.

Prices of the various grades of White and Yellow Pine Lumber, per 1,000 feet, large lots, at Cincinnati, at the close of December, as indicated:

KINDS.	1904	1903	KINDS.	1904	1903
WHITE PINE.			YELLOW PINE—FLOORING.		
First and second clear.....	\$90 00	\$90 00	First and second clear.....	\$22 50	\$22 50
Third clear.....	80 00	80 00	B Grade or standard	20 00	20 00
Selects	75 00	75 00	C Grade or No. 1 Common	18 00	18 00
First common.....	65 00	65 00	No. 2 Common.....	16 00	16 00
Second common.....	55 00	55 00	SHINGLES.		
Shop.....	50 00	50 00	XXXX Pine, 18 inches.....	4 50	4 50
Third common.....	27 50	27 50	Clear butt pine.....	4 25	4 25
Fourth common.....	25 00	25 00	Cypress	4 50	4 50
Boxing.....	22 50	22 50	Prime	3 50	3 50
Piece stuff, No. 1.....	20 00	20 00			

Prices of Hard Lumber, per 1,000 feet, at Cincinnati, at the close of December:

KINDS.	1904	1903	1902	1901	1900	1899	1898
Ash.....	\$28 00@32 00	\$32 50@ 50 00	\$32 50@ 50 00	\$32 50@ 40 00	\$30 00@ 37 00	\$30 00@ 37 00	\$27 00@ 35 00
Cherry.....	50 00@70 00	75 00@100 00	75 00@100 00	75 00@100 00	75 00@100 00	75 00@100 00	70 00@100 00
Elm.....	10 00@18 00	15 00@ 25 00	15 00@ 25 00	15 00@ 25 00	15 00@ 25 00	15 00@ 25 00	14 00@ 20 00
Gum.....	15 00@25 00	20 00@ 28 00	20 00@ 28 00	20 00@ 28 00	20 00@ 28 00	20 00@ 28 00	18 00@ 28 00
Hickory.....	25 00@40 00	32 00@ 45 00	32 00@ 45 00	30 00@ 35 00	30 00@ 35 00	30 00@ 35 00	27 00@ 35 00
Oak, plain.....	28 00@35 00	32 00@ 45 00	32 00@ 45 00	32 00@ 38 00	28 50@ 35 00	28 50@ 35 00	20 00@ 35 00
Oak, quartered.....	40 00@60 00	32 50@ 75 00	32 50@ 75 00	32 50@ 55 00	32 50@ 55 00	32 50@ 55 00	27 50@ 47 50
Poplar.....	30 00@45 00	32 50@ 50 00	32 50@ 50 00	22 00@ 35 00	22 00@ 35 00	22 00@ 35 00	18 00@ 30 00
Sycamore.....	18 00@30 00	18 00@ 30 00	18 00@ 30 00	18 00@ 30 00	18 00@ 30 00	18 00@ 30 00	16 00@ 27 00
Walnut.....	40 00@80 00	28 00@100 00	28 00@100 00	28 00@100 00	28 00@100 00	28 00@100 00	25 00@100 00

RECEIPTS OF LUMBER.

Annual receipts of Lumber, representing cars, at Cincinnati, for commercial years ending August 31, to 1891-92, and calendar years subsequently:

1889-90.....	31,400	1893.....	35,314	1897.....	32,660	1901.....	73,038
1890-91.....	32,400	1894.....	29,947	1898.....	40,110	1902.....	98,548
1891-92.....	39,500	1895.....	36,475	1899.....	54,474	1903.....	64,549
1892.....	40,919	1896.....	30,993	1900.....	55,232	1904.....	61,107

PRICES OF BROOM CORN.

Prices of Broom Corn from store, at Cincinnati, the last of December, in years indicated:

KINDS.	1904	1903	1902	1901	1900	1899	1898
Green, Hurl.....	4¼@4¾	6 @6½	4¾	5½@6	4¼@5	9½@10	4¼@5
Green, Medium.....	3½@4¼	5½@6	4 @4¼	5 @5½	3½@4	8½@ 9	4 @4½
Red, Pale or Mixed.....	3 @4	5 @5½	3¼@3¾	4½@5	3 @3½	7½@ 8	3¾@4½
Crooked.....	½ price.	½ price.	½ price.	.....	½ price.	½ price.	½ price.

COTTON CROPS OF THE UNITED STATES.

Estimated yearly production of Cotton in the United States, as indicated:

YEARS.	Bales.	YEARS.	Bales.	YEARS.	Bales.
1874-75.....	3,882,991	1884-85.....	5,669,021	1894-95.....	9,892,766
1875-76.....	4,669,288	1885-86.....	6,550,215	1895-96.....	7,162,478
1876-77.....	4,485,423	1886-87.....	6,513,623	1896-97.....	8,714,011
1877-78.....	4,811,265	1887-88.....	7,017,707	1897-98.....	11,180,960
1878-79.....	6,078,531	1888-89.....	6,935,082	1898-99.....	11,235,383
1879-80.....	5,757,397	1889-90.....	7,313,726	1899-00.....	9,439,559
1880-81.....	6,589,329	1890-91.....	8,655,518	1900-01.....	10,425,141
1881-82.....	5,435,845	1891-92.....	9,088,707	1901-02.....	10,701,453
1882-83.....	6,992,234	1892-93.....	6,717,142	1902-03.....	10,758,326
1883-84.....	5,714,052	1893-94.....	7,527,211	1903-04.....	10,123,686

NOTE.—The above represents the estimates of the *Financial Chronicle*.

MONTHLY MOVEMENT OF COTTON.

Monthly receipts and shipments of Cotton, at Cincinnati, in bales, for years indicated:

MONTHS.	RECEIPTS, bales.					SHIPMENTS, bales.				
	1904	1903	1902	1901	1900	1904	1903	1902	1901	1900
January.....	26,576	14,356	41,080	36,883	27,649	26,777	13,810	38,601	38,095	31,945
February.....	24,346	12,369	16,669	25,278	17,644	21,667	7,589	20,152	23,337	18,281
March.....	13,218	10,280	27,276	15,640	19,447	15,234	8,596	24,540	14,158	19,135
April.....	4,270	8,385	14,568	11,846	6,062	3,559	5,444	13,913	11,666	5,046
May.....	4,024	6,139	6,154	16,967	6,668	3,561	6,004	7,569	18,113	7,768
June.....	3,302	3,376	4,007	6,978	4,194	2,807	4,125	4,139	7,504	4,172
July.....	2,088	1,410	5,354	7,696	7,289	1,622	1,271	4,706	9,268	7,662
August.....	2,947	720	4,452	2,912	1,205	2,474	793	4,245	2,406	1,322
September.....	3,120	1,897	4,091	3,152	1,893	2,512	1,595	3,957	2,286	1,649
October.....	11,426	5,485	16,518	28,045	26,498	10,700	4,679	14,487	19,000	24,785
November.....	21,788	13,383	20,841	42,759	39,871	19,753	13,200	21,038	37,234	34,119
December.....	31,215	25,767	18,859	40,808	42,773	31,089	24,028	18,390	34,105	41,013
Totals.....	148,320	103,517	179,819	233,966	201,193	141,755	91,134	175,737	212,172	196,847

PRICES OF COTTON.

Monthly range of prices of Middling Upland Cotton, per pound, at New York, spot, fractions stated decimally:

MONTHS.	1904	1903	1902	1901	1900	1899
January.....	18.10@16.25	8.85@ 9.05	8.19@8.44	9.87@12.00	7.62@ 8.00	5.87@6.44
February.....	13.50@16.50	9.00@10.25	8.25@8.81	9.25@10.00	8.12@ 9.31	6.31@6.62
March.....	14.00@16.65	9.90@10.45	8.87@9.19	8.06@ 9.19	9.44@ 9.87	6.19@6.56
April.....	13.75@15.00	9.90@10.75	9.00@9.87	8.19@ 8.56	9.56@ 9.87	6.12@6.31
May.....	12.75@13.90	10.75@12.15	9.37@9.75	8.06@ 8.31	9.00@ 9.87	6.12@6.25
June.....	10.85@12.40	11.50@13.35	9.25@9.44	8.25@ 8.94	8.81@10.00	6.00@6.31
July.....	10.60@11.25	11.60@13.50	8.94@9.37	8.06@ 8.87	9.81@10.25	6.12@6.25
August.....	10.45@11.65	12.75	8.87@9.00	8.00@ 8.62	9.50@10.25	6.12@6.50
September.....	10.60@11.30	11.25@13.00	8.87@9.12	8.19@ 8.62	9.62@11.00	6.25@6.87
October.....	9.90@10.60	9.50@10.60	8.57@8.94	8.19@ 8.56	9.44@11.00	7.19@7.47
November.....	9.30@10.25	10.50@11.65	8.30@8.65	7.81@ 8.00	9.56@10.25	7.37@7.81
December.....	6.85@ 9.00	11.95@14.10	8.50@8.90	8.00@ 8.56	9.75@10.31	7.50@7.81
Year.....	6.85@16.65	8.85@14.10	8.19@9.87	7.81@12.00	7.62@11.00	5.87@7.81

NOTE.—Fractions are represented as follows: $\frac{1}{16}$ as .06; $\frac{1}{8}$ as .12; $\frac{3}{16}$ as .19; $\frac{1}{4}$ as .25; $\frac{5}{16}$ as .31; $\frac{3}{8}$ as .37; $\frac{7}{16}$ as .44; $\frac{1}{2}$ as .50; $\frac{9}{16}$ as .56; $\frac{5}{8}$ as .62; $\frac{11}{16}$ as .69; $\frac{3}{4}$ as .75; $\frac{13}{16}$ as .81; $\frac{7}{8}$ as .87; $\frac{15}{16}$ as .94.

PRICES OF PIG IRON.

Prices of the various kinds of Pig Iron, per ton, at Cincinnati, at the close of December, as indicated:

KINDS.	1904	1903	KINDS.	1904	1903
SOUTHERN COKE.			CHARCOAL.		
No. 1 Foundry.....	\$16 75@17 25	\$12 75@13 25	Hanging Rock No. 1.....	\$23 65@24 65	\$24 15@25 15
No. 2 Foundry.....	16 25@16 75	12 25@12 75	Jackson Co. Silvery No. 1..	21 15@22 15	18 15@18 65
No. 3 Foundry.....	15 75@16 25	11 75@12 25	CARWHEEL.		
Gray Forge.....	15 25@15 75	11 00@11 25	Standard Alabama Car- wheel.....	19 75@20 25	19 25@19 75
No. 1 Soft.....	16 75@17 25	12 75@13 25			
No. 2 Soft.....	16 25@16 75	12 25@12 75	Lake Superior Carwheel and Malleable.....	19 50@20 00	19 00@19 50
LAKE ORE COKE.					
No. 1 Lake Superior.....	17 65@18 15	15 90@16 40			
No. 2 Lake Superior.....	17 15@17 65	15 40@15 90			

ANNUAL PRICES OF PIG IRON.

Average annual prices of Pig Iron, per ton, at Cincinnati, for years indicated:

YEARS.	No. 1 hot-blast charcoal iron.	No. 1 stone coal iron.	No. 1 car-wheel iron.	YEARS.	No. 1 hot-blast charcoal iron.	No. 1 stone coal iron.	No. 1 car-wheel iron.
1883-84.....	\$23 43	\$20 40	\$28 46	1890-91.....	\$21 18	\$16 35	\$22 53
1884-85.....	20 93	17 33	26 41	1891-92.....	20 28	15 62	19 29
1885-86.....	20 46	17 96	25 50	1892.....	19 75	15 15	18 85
1886-87.....	22 95	20 54	28 81	1893.....	18 45	14 00	18 50
1887-88.....	22 64	18 98	25 07	1894.....	17 80	12 50	18 50
1888-89.....	21 47	16 97	23 25	1895.....	15 90	12 85	15 95
1889-90.....	21 69	17 65	23 47	1896.....	15 20	12 50	15 55

YEARS.	SOUTHERN COKE No. 2 FOUNDRY.		LAKE ORE COKE No. 2 FOUNDRY.		HANGING ROCK CHARCOAL No. 1.	
	Range.	Average.	Range.	Average.	Range.	Average.
1886.....	\$9 25@11 50	\$10 35	\$11 50@14 40	\$12 50	\$15 00@17 00	\$16 00
1887.....	8 50@10 25	9 40	10 50@12 00	10 80	14 25@16 25	15 00
1888.....	9 25@10 25	9 65	10 25@10 75	10 50	14 00@15 50	14 95
1889.....	10 75@21 75	16 65	10 75@24 50	18 45	15 00@26 00	20 80
1900.....	12 50@21 25	17 45	13 50@24 50	18 50	20 00@27 00	21 70
1901.....	13 00@14 75	13 80	14 25@16 50	14 95	19 50@21 50	20 80
1902.....	14 25@27 25	20 30	16 25@26 60	22 50	20 50@37 00	30 05
1903.....	11 75@22 75	17 50	15 40@24 65	20 00	24 15@34 15	30 00
1904.....	11 75@16 75	13 10	13 15@17 65	14 15	22 15@24 65	22 70

SALES OF PIG IRON.

Annual sales of Pig Iron, at Cincinnati (including direct shipments), and approximate value of the same, in years ending August 31 and December 31:

YEARS.	Tons Sold.	Value.	YEARS.	Tons Sold.	Value.
1888-89.....	740,700	\$13,465,000	1897.....	945,000	\$10,867,000
1889-90.....	820,100	15,376,000	1898.....	1,033,000	11,879,000
1890-91.....	948,400	17,783,000	1899.....	1,658,000	29,844,000
1892.....	1,103,000	17,803,000	1900.....	1,084,000	20,054,000
1893.....	845,000	14,154,000	1901.....	1,700,000	25,500,000
1894.....	735,000	9,555,000	1902.....	2,063,000	43,300,000
1895.....	985,000	13,297,000	1903.....	1,559,000	29,600,000
1896.....	835,000	10,437,000	1904.....	1,801,000	26,100,000

COMPARATIVE PRICES OF PIG IRON.

Approximate average price, monthly and yearly, of Pig Iron, per ton of 2,000 pounds, based on quotations at Cincinnati, for Strong No. 1 Hotblast Stone Coal and Coke Iron from 1885 to 1894, inclusive, and Southern Coke No. 2 Foundry Iron from 1895 to 1904, inclusive—the latter grade representing market value about \$2.00@2.25 per ton below that of the former grade:

MONTHS.	1885	1886	1887	1888	1889	1890	1891	1892	1893	1894
January.....	\$17 50	\$18 50	\$21 25	\$20 50	\$17 50	\$19 50	\$16 00	\$16 00	\$14 50	\$18 75
February.....	17 50	19 00	22 25	19 50	17 00	19 50	16 00	15 75	14 50	18 00
March.....	17 50	19 00	22 25	19 50	17 00	19 50	16 25	15 50	14 25	12 75
April.....	17 00	18 75	22 00	18 50	17 00	17 25	16 25	15 25	18 25	12 50
May.....	16 75	18 75	21 00	17 75	16 25	16 75	16 25	16 25	18 25	12 25
June.....	16 75	18 50	20 25	16 75	16 25	16 75	16 25	15 25	18 75	12 25
July.....	16 50	18 00	20 25	16 25	16 25	16 75	16 25	15 00	18 75	12 25
August.....	16 50	18 00	20 50	16 25	16 25	16 75	16 25	15 00	18 75	12 25
September.....	16 00	17 75	21 25	18 00	16 25	16 75	16 25	14 75	18 50	12 25
October.....	16 25	18 00	21 00	17 75	16 75	17 00	16 25	14 75	18 50	12 25
November.....	16 75	18 50	21 00	17 75	17 50	17 00	16 25	14 75	18 50	12 25
December.....	16 75	20 00	21 00	17 75	19 00	16 50	16 00	14 75	18 25	12 25
Average.....	\$16 75	\$18 50	\$21 15	\$18 00	\$16 90	\$17 50	\$16 20	\$15 15	\$13 75	\$12 50

MONTHS.	1895	1896	1897	1898	1899	1900	1901	1902	1903	1904
January.....	\$9 25	\$11 50	\$10 00	\$9 50	\$10 25	\$21 00	\$13 75	\$14 75	\$22 25	\$12 50
February.....	9 25	11 25	10 00	9 50	12 25	20 75	13 50	15 25	22 00	12 50
March.....	9 00	11 00	9 75	9 50	13 50	20 50	13 75	15 75	21 50	12 50
April.....	9 00	10 25	9 50	9 50	14 25	20 50	14 50	17 50	20 75	12 75
May.....	9 50	10 50	9 00	9 50	14 75	20 00	14 25	19 00	19 50	12 50
June.....	10 50	10 50	8 50	9 50	16 00	19 00	14 00	20 00	18 25	12 00
July.....	11 50	10 00	8 75	9 50	17 50	17 50	13 50	21 25	16 50	12 00
August.....	11 50	9 75	9 00	9 50	18 50	15 50	13 25	22 50	15 50	12 00
September.....	12 50	9 50	9 25	9 75	19 25	14 00	13 50	24 50	15 00	12 25
October.....	12 75	9 75	9 75	9 75	21 25	13 25	13 50	25 00	13 50	13 50
November.....	12 75	10 25	9 50	10 00	21 00	13 50	14 00	25 00	12 25	15 50
December.....	12 25	10 25	9 50	10 00	21 00	14 00	14 50	23 25	12 25	16 50
Average.....	\$10 80	\$10 35	\$9 40	\$9 65	\$16 65	\$17 45	\$13 80	\$20 30	\$17 50	\$13 10

MONTHLY PRICES OF PIG IRON.

Range of monthly prices of Southern Coke, Lake Ore Coke and Hanging Rock Charcoal Pig Iron, per ton, at Cincinnati, in years indicated:

MONTHS.	SOUTHERN COKE No. 2 FOUNDRY.		LAKE ORE COKE No. 2 FOUNDRY.		HANGING ROCK CHARCOAL No. 1.	
	1904	1903	1904	1903	1904	1903
January.....	\$12 25@12 75	\$21 25@22 75	\$13 90@15 90	\$24 10@24 65	\$22 65@23 65	\$32 10@34 15
February.....	12 00@12 75	21 75@22 75	13 65@14 40	23 65@24 65	22 15@23 15	32 15@34 15
March.....	12 00@13 00	21 25@22 25	13 65@14 15	22 65@24 15	22 15@22 65	32 15@34 15
April.....	12 75@13 00	20 25@21 75	13 65@14 15	22 15@23 15	22 15@22 65	32 15@34 15
May.....	12 00@13 00	19 25@20 50	13 15@14 15	21 15@22 65	22 15@22 65	31 15@33 15
June.....	12 00@12 25	17 75@18 75	13 15@13 40	18 55@20 75	22 15@22 65	31 15@31 65
July.....	11 75@12 25	16 25@18 25	13 15@13 40	17 15@19 15	22 15@22 65	27 15@31 65
August.....	12 00@12 25	15 25@16 75	13 15@13 40	16 65@18 00	22 15@22 65	27 15@30 50
September.....	12 25	14 75@15 75	13 15@13 40	15 90@17 15	22 15@22 65	25 15@29 15
October.....	12 25@14 75	13 25@15 25	13 15@13 90	15 90@16 40	22 15@22 65	24 15@26 15
November.....	14 25@16 75	12 00@13 25	14 65@16 65	15 65@16 40	22 15@24 65	24 15@25 15
December.....	16 25@16 75	12 00@12 75	16 15@17 65	15 40@15 90	23 65@24 65	24 15@25 15

MONTHLY MOVEMENT OF WHISKY.

Monthly receipts and shipments of Whisky, at Cincinnati, representing barrels, as indicated:

MONTHS.	RECEIPTS.			SHIPMENTS.		
	1904	1903	1902	1904	1903	1902
January.....	19,968	21,594	40,722	32,906	35,634	58,333
February.....	22,149	18,186	32,061	32,690	32,833	47,462
March.....	23,473	19,924	34,413	36,888	37,206	51,339
April.....	19,663	21,200	32,391	33,342	35,697	46,346
May.....	21,328	17,431	26,287	31,802	32,250	38,046
June.....	16,851	17,352	22,322	31,824	29,293	33,600
July.....	15,457	16,447	26,444	27,287	27,137	36,955
August.....	16,143	15,673	28,417	32,040	29,582	33,708
September.....	20,792	19,756	32,995	42,141	36,260	44,804
October.....	22,868	23,981	32,479	40,687	42,754	46,962
November.....	23,277	22,848	40,058	41,369	38,176	50,567
December.....	25,627	27,553	40,995	45,167	46,725	71,702

YEARLY RECEIPTS AND SHIPMENTS OF WHISKY.

Receipts and shipments of Whisky, from all sources, at Cincinnati, for calendar years indicated:

YEARS.	Receipts, bbis.	Shipm'ts, bbis.	YEARS.	Receipts, bbis.	Shipm'ts, bbis.	YEARS.	Receipts, bbis.	Shipm'ts, bbis.
1893.....	340,308	463,498	1897.....	213,767	356,178	1901.....	422,942	586,993
1894.....	385,160	505,183	1898.....	238,060	359,733	1902.....	389,604	567,549
1895.....	245,394	368,100	1899.....	269,613	403,223	1903.....	241,945	423,547
1896.....	236,596	342,285	1900.....	370,531	505,821	1904.....	247,591	423,342

MOVEMENT AND SALES OF PIG IRON.

Receipts and shipments of Pig Iron, at Cincinnati, in tons of 2,000 pounds, for calendar years from 1892, and commercial years previously; also tons sold by local dealers for shipment direct from sources of supply to destination points:

YEARS.	Receipts, Tons.	Shipm'ts, Tons.	Direct Shipm'ts, Tons.	YEARS.	Receipts, Tons.	Shipm'ts, Tons.	Direct Shipm'ts, Tons.
1894-95.....	154,987	111,652	252,011	1895.....	493,604	378,031	493,362
1895-96.....	195,899	145,852	315,527	1896.....	343,360	276,153	494,380
1896-97.....	266,005	203,186	401,768	1897.....	377,506	276,905	567,988
1897-98.....	239,536	160,084	433,222	1898.....	463,911	344,317	568,719
1898-99.....	322,993	201,026	417,690	1899.....	615,288	523,927	1,043,177
1899-90.....	395,640	293,022	424,440	1900.....	458,203	364,644	626,220
1900-91.....	497,350	368,859	451,078	1901.....	603,918	520,792	1,096,452
1892.....	521,730	398,446	581,848	1902.....	743,595	691,877	1,319,807
1893.....	359,882	299,150	449,168	1903.....	602,140	514,717	967,507
1894.....	302,405	198,057	433,165	1904.....	592,422	446,733	1,208,849

PRODUCTION OF DISTILLED AND RECTIFIED SPIRITS.

Production of Distilled Spirits and Rectified Spirits, representing proof gallons, at Cincinnati and immediate vicinity (Covington, Newport, etc.):

YEARS.	DISTILLED SPIRITS.			RECTIFIED SPIRITS.		
	CINCINNATI.	VICINITY.	TOTAL.	CINCINNATI.	VICINITY.	TOTAL.
1893.....	7,006,165	2,948,270	9,949,436	7,267,806	2,467,443	9,735,249
1894.....	6,973,809	2,401,571	9,375,380	8,039,869	1,915,611	9,955,480
1895.....	6,444,678	2,432,638	8,877,316	7,681,119	1,990,353	9,671,473
1896.....	5,970,506	2,327,058	8,297,563	7,908,319	1,995,499	9,903,818
1897.....	8,826,085	263,150	9,089,236	6,736,078	1,911,804	8,647,882
1898.....	7,722,872	1,965,898	9,688,770	7,050,876	1,987,723	9,038,600
1899.....	7,701,790	1,765,026	9,466,817	8,402,669	2,045,594	10,448,264
1900.....	6,228,758	1,066,180	7,294,938	9,817,826	2,015,352	11,833,179
1901.....	7,834,081	1,641,984	9,476,015	11,196,313	2,186,191	13,382,504
1902.....	7,921,087	1,088,527	9,009,614	13,085,329	2,099,301	15,184,631
1903.....	8,797,858	2,459,753	11,257,611	13,394,175	2,157,487	15,551,662
1904.....	8,991,869	2,300,000	11,291,869	13,495,997	2,140,494	15,636,491

PRICES OF SPIRITS.

Changes in basis price of Spirits, per proof gallon, in 1900 to 1904, inclusive, at Cincinnati:

March 26, 1900..\$1 25	April 27, 1901..\$1 28	March 1, 1902...\$1 30	October 6, 1903..\$1 24
April 5, 1900.. 1 25½	May 22, 1901.. 1 27	July 15, 1902... 1 31	October 12, 1903.. 1 25
May 14, 1900.. 1 25	July 23, 1901.. 1 29	September 4, 1902... 1 32	December 1, 1903.. 1 27
May 24, 1900.. 1 23	August 10, 1901.. 1 30	December 23, 1902... 1 31	March 3, 1904.. 1 28
August 20, 1900.. 1 24	November 8, 1901.. 1 31	January 7, 1903... 1 30	September 26, 1904.. 1 26½
September 7, 1900.. 1 26	November 27, 1901.. 1 32	August 7, 1903... 1 29	October 21, 1904.. 1 25
September 27, 1900.. 1 27	January 29, 1902... 1 31	August 21, 1903... 1 23	October 25, 1904.. 1 24

Average annual prices of Spirits, per proof gallon, at Cincinnati, as indicated:

1893.....\$1 15.37	1896.....\$1 20.50	1899.....\$1 25.04	1902.....\$1 31.00
1894..... 1 19.88	1897..... 1 18.87	1900..... 1 24.82	1903..... 1 28.06
1895..... 1 22.50	1898..... 1 22.93	1901..... 1 28.58	1904..... 1 26.95

YEARLY PRODUCTION AND RECEIPTS OF WHISKY.

Aggregate yearly production and receipts of Whisky, at Cincinnati, stated in gallons, and value of the same, for years indicated:

YEARS.	Made and Received.	Total Value.	YEARS.	Made and Received.	Total Value.
1893.....	26,284,220	\$31,897,000	1899.....	22,408,240	\$28,014,000
1894.....	27,863,060	34,360,000	1900.....	25,080,370	31,337,000
1895.....	20,656,228	25,598,000	1901.....	29,777,281	37,553,000
1896.....	19,654,171	24,194,000	1902.....	27,710,606	35,179,000
1897.....	19,350,052	23,680,000	1903.....	22,870,971	28,926,000
1898.....	21,115,650	26,194,000	1904.....	23,175,737	29,195,000

MOVEMENT OF TOBACCO.

Yearly movement of Leaf and Manufactured Tobacco, at Cincinnati:

YEARS.	RECEIPTS.			SHIPMENTS.		
	Leaf, hhds.	Leaf, cases.	Manufactured, packages.	Leaf, hhds.	Leaf, cases.	Manufactured, packages.
1893.....	97,646	31,602	167,616	97,472	17,586	170,629
1894.....	129,521	35,663	153,914	121,517	14,822	160,470
1895.....	112,083	30,268	123,327	100,781	10,212	149,948
1896.....	84,223	28,349	139,562	86,678	7,671	148,690
1897.....	99,168	32,566	155,065	89,660	10,004	153,339
1898.....	70,705	34,187	110,469	72,239	9,413	118,115
1899.....	90,615	31,905	186,636	79,389	36,942	235,179
1900.....	72,104	63,826	226,149	70,966	25,887	274,508
1901.....	78,901	60,620	237,515	75,847	36,813	265,382
1902.....	81,075	52,740	236,829	82,903	32,434	267,068
1903.....	67,467	55,704	168,438	64,801	51,040	216,103
1904.....	60,719	42,755	107,219	56,865	23,104	152,535

NOTE.—Leaf Tobacco in bales, included with cases.

MANUFACTURE OF TOBACCO AND CIGARS.

Quantity of Chewing and Smoking Tobacco, representing pounds, and number of Cigars, manufactured yearly, at Cincinnati, and at Covington and Newport:

YEARS.	CHEWING AND SMOKING TOBACCO.			PRODUCTION OF CIGARS.		
	CINCINNATI.	COVINGTON AND NEWPORT.	TOTAL LBS.	CINCINNATI.	COVINGTON AND NEWPORT.	TOTAL NO.
1893.....	1,841,872	1,639,843	2,981,715	125,329,970	6,318,050	131,648,020
1894.....	1,747,975	1,842,714	3,590,689	159,587,210	6,557,820	166,095,030
1895.....	2,633,053	1,636,243	4,269,296	162,376,180	6,127,963	168,504,143
1896.....	3,819,434	1,119,044	4,938,478	163,880,910	5,955,140	169,336,050
1897.....	4,566,648	1,276,066	5,842,714	169,176,780	6,763,040	175,939,820
1898.....	5,481,032	1,634,352	7,115,384	227,903,051	8,465,645	236,368,696
1899.....	7,854,194	1,688,936	9,043,130	289,772,893	8,552,088	298,324,981
1900.....	8,232,465	2,637,267	10,869,732	286,576,100	9,682,833	296,258,933
1901.....	8,803,509	2,589,456	11,392,965	273,355,450	9,345,762	282,701,212
1902.....	5,160,795	2,414,382	7,575,177	260,148,790	10,854,713	271,003,503
1903.....	6,471,730	2,500,561	8,972,291	247,410,590	12,843,480	260,254,070
1904.....	7,709,368	2,541,051	10,250,419	171,258,700	11,112,613	182,371,313

MOVEMENT OF MANUFACTURED IRON AND STEEL.

Receipts and shipments of Manufactured Iron and Steel, at Cincinnati:

YEARS.	Receipts, Tons.	Shipments, Tons.	YEARS.	Receipts, Tons.	Shipments, Tons.
1883-84.....	108,422	112,610	1894.....	121,229	89,123
1884-85.....	112,109	80,745	1895.....	174,194	127,174
1885-86.....	137,203	104,311	1896.....	127,028	97,486
1886-87.....	135,885	139,393	1897.....	177,291	138,342
1887-88.....	150,747	124,736	1898.....	176,249	147,110
1888-89.....	147,964	123,681	1899.....	261,716	225,151
1889-90.....	192,971	161,915	1900.....	248,820	183,751
1890-91.....	174,512	164,262	1901.....	363,110	276,315
1891-92.....	193,777	177,777	1902.....	422,651	321,290
1892.....	190,216	174,693	1903.....	355,988	351,671
1893.....	134,029	109,868	1904.....	299,044	242,732

LEAF TOBACCO TRADE.

Total annual receipts, offerings, rejections and sales of Leaf Tobacco, at the Cincinnati warehouses, for calendar years indicated:

YEARS.	RECEIPTS.		OFFERINGS.		REJECTIONS.		SALES.	
	Hhds.	Cases.	Hhds.	Cases.	Hhds.	Cases.	Hhds.	Cases.
1893.....	67,467	3,107	79,984	4,492	22,281	1,952	57,703	2,540
1894.....	76,625	3,254	104,010	4,685	28,723	1,531	75,287	3,154
1895.....	80,508	2,487	103,198	3,609	30,517	1,433	72,681	2,176
1896.....	68,045	1,084	98,408	1,781	28,042	591	70,366	1,190
1897.....	80,586	970	105,069	1,230	23,288	240	81,781	990
1898.....	50,205	780	68,403	1,050	15,976	306	52,427	744
1899.....	68,665	7,887	79,475	10,430	14,764	2,490	64,711	7,940
1900.....	56,070	*.....	70,925	*.....	16,284	*.....	51,641	*.....
1901.....	60,318	*.....	67,090	*.....	12,158	*.....	54,932	*.....
1902.....	51,638	3,295	63,910	4,426	12,865	1,087	51,045	3,339
1903.....	52,093	4,807	65,893	5,922	11,609	1,738	54,284	4,186
1904.....	21,022	*.....	23,626	*.....	3,566	*.....	20,060	*.....

* Not reported.

Stocks of Leaf Tobacco in Cincinnati warehouses on January 1:

PACKAGES.	1905	1904	1903	1902	1901	1900	1899	1898	1897	1896	1895
Hogsheads.....	6,238	8,781	10,084	12,287	9,891	10,353	7,887	13,496	15,769	21,119	19,746
Cases.....	*.....	750	900	*.....	*.....	1,200	138	91	206	402	358

* Not reported.

BANK CLEARINGS.

Monthly Clearings at the Cincinnati Clearing House, prepared by WILLIAM D. DUBLE, Manager, representing actual exchanges brought to the Clearing House:

MONTHS.	1904	1903	1902	1901	1900	1899
January.....	\$ 99,719,750	\$106,972,000	\$90,542,650	\$89,116,100	\$72,512,200	\$66,302,800
February.....	90,291,300	88,958,950	79,026,200	77,616,800	61,888,700	51,064,450
March.....	97,173,800	96,270,000	85,943,250	79,040,650	68,246,900	61,655,060
April.....	97,065,500	98,535,200	90,268,000	82,710,250	68,086,800	62,198,750
May.....	96,291,800	98,581,550	84,877,650	86,810,750	65,516,150	62,649,100
June.....	114,767,700	106,463,700	97,279,850	87,407,300	69,898,000	65,813,800
July.....	113,647,050	101,992,100	97,786,960	81,817,800	66,704,950	59,984,050
August.....	106,042,850	88,784,700	82,494,550	78,768,500	60,725,700	57,949,750
September.....	100,769,650	86,064,400	91,380,500	70,483,400	54,747,400	56,314,450
October.....	98,681,500	95,318,800	93,630,450	80,101,900	67,516,550	68,888,950
November.....	99,262,100	92,265,450	90,747,100	81,972,900	66,313,700	65,746,000
December.....	110,102,350	94,500,750	96,925,350	81,666,400	74,436,700	70,973,200
Totals.....	\$1,222,815,350	\$1,154,647,600	\$1,080,902,000	\$972,502,450	\$796,598,750	\$748,490,350

The following shows yearly totals of Bank Clearings at Cincinnati:

YEARS.	TOTALS.	YEARS.	TOTALS.	YEARS.	TOTALS.
1890.....	\$640,579,000	1895.....	\$651,284,000	1900.....	\$ 795,598,000
1891.....	668,216,000	1896.....	585,964,000	1901.....	972,502,000
1892.....	750,789,000	1897.....	626,786,000	1902.....	1,080,902,000
1893.....	642,369,000	1898.....	646,154,000	1903.....	1,154,647,000
1894.....	643,441,000	1899.....	748,490,000	1904.....	1,222,815,000

PRODUCTION AND PRICES OF BEER, ETC.

Annual production of Malt Liquors, representing barrels, in Cincinnati, Ohio, and Covington, Newport, etc., Kentucky, for commercial years ending August 31, to 1891-92, and calendar years subsequently :

YEARS.	CINCINNATI.	COVINGTON, ETC.	TOTALS.	YEARS.	CINCINNATI.	COVINGTON, ETC.	TOTALS.
1885-86.....	901,299	77,340	978,639	1895.....	1,198,518	139,810	1,338,328
1886-87.....	1,041,731	83,130	1,124,861	1896.....	1,179,771	136,220	1,315,991
1887-88.....	1,080,176	86,228	1,166,404	1897.....	1,172,907	128,600	1,311,507
1888-89.....	1,034,593	86,330	1,120,923	1898.....	1,158,155	159,000	1,317,155
1889-90.....	1,187,208	100,570	1,287,778	1899.....	1,101,700	142,300	1,244,000
1890-91.....	1,263,778	115,830	1,379,608	1900.....	1,161,139	176,205	1,337,344
1891-92.....	1,229,255	121,610	1,350,865	1901.....	1,123,581	169,312	1,292,893
1892.....	1,249,260	125,070	1,374,330	1902.....	1,196,449	189,135	1,385,584
1893.....	1,198,736	123,590	1,322,326	1903.....	1,290,991	242,994	1,533,985
1894.....	1,131,002	129,010	1,260,012	1904.....	1,404,059	213,860	1,622,919

Sales of Beer Stamps in 1904 in Hamilton County, Ohio (Cincinnati), were \$1,298,755; in Covington and Newport, Kentucky, \$202,445. The tax on Beer was \$1.60 per barrel, less 7½ per cent, from July 1, 1901, to July 1, 1902, when it was changed to \$1.00.

Relative prices of Ale, Beer and Porter, per barrel, at Cincinnati, at the close of December, in years indicated :

ARTICLES.	1904	1903	1902	1901	1900	1899
Ale.....	\$7 00@8 00	\$7 00@8 00	\$7 00@8 00	\$7 00@8 00	\$7 00@8 00	\$7 00@8 00
Beer, Lager.....	6 30	6 30	6 30	6 30	6 30	6 60
Porter.....	7 00@8 00	7 00@8 00	7 00@8 00	7 00@8 00	7 00@8 00	7 00@8 00

FREIGHT RATES ON MEATS.

Average monthly and yearly schedule of Freight Rates, by rail, on Meats packed, per 100 pounds, from Cincinnati to New York, for years indicated :

YEARS.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
1885.....	24.4	21½	20	20.6	18½	17½	17½	21½	21½	21½	22.8	26	21.10
1886.....	26	26	26	26	26	26	26	26	26	26	26	27.7	26.14
1887.....	30½	30½	30½	26	26	26	26	26	26	26	26	26	27.12
1888.....	28	28½	26.3	26	26	26	19.9	17.3	15½	18.8	21½	23.6	23.11
1889.....	26	26	26	26	26	26	26	26	26	26	26	26	26
1890.....	26	26	26	26	26	26	26	24.8	20	20	20	20	23.60
1891.....	20	24.3	26	26	26	26	26	26	26	26	26	26	25.26
1892.....	26	26	26	26	26	25.7	21.5	21.5	21.5	21.5	21.5	21.5	23.7
1893.....	21½	23¾	26	26	26	26	26	26	26	26	26	26	25.43
1894.....	26	26	26	26	26	26	26	26	26	26	26	26	26
1895.....	26	26	26	26	26	26	26	26	26	26	26	26	26
1896.....	26	26	26	26	26	26	26	26	26	26	26	26	26
1897.....	26	26	26	26	26	26	26	26	26	26	26	26	26
1898.....	26	26	26	26	26	26	26	26	26	26	26	26	26
1899.....	26	26	26	26	26	26	26	26	21½	21½	21½	21½	24.63
1900.....	26	26	26	26	26	26	26	26	26	26	26	26	26
1901.....	26	26	26	26	26	26	26	26	26	26	26	26	26
1902.....	26	26	26	26	26	26	26	26	26	26	26	26	26
1903.....	26	26	26	26	26	26	26	26	26	26	26	26	26
1904.....	26	26	26	26	26	26	26	26	26	26	26	26	26

ANNUAL RECEIPTS AND SHIPMENTS OF COAL.

Annual receipts of Coal, in bushels, at Cincinnati, according to reports of gaugers, private returns, and records of the Chamber of Commerce:

YEARS.	PITTSBURGH. (By River)	KANAWHA. (By River)	OTHER KINDS. (By River)	KANAWHA. (By Rail)	OTHER KINDS. (By Rail)	ANTHRACITE. (By Rail)
1898.....	28,643,562	24,971,261	405,202	18,100,000	7,732,374	759,626
1899.....	40,156,667	16,398,039	158,334	13,300,000	5,783,527	661,548
1896.....	26,675,323	15,106,095	14,460	18,900,000	8,219,823	1,227,000
1896.....	36,696,759	22,015,133	130,217	13,800,000	5,876,000	1,171,000
1897.....	35,040,790	17,941,769	60,217	17,600,000	6,868,000	1,251,250
1898.....	41,271,142	19,949,098	95,590	19,080,000	6,934,000	948,125
1899.....	33,832,351	18,987,364	29,338	22,630,000	7,542,800	1,291,250
1900.....	19,066,472	24,586,357	917,206	21,256,000	7,066,000	437,500
1901.....	22,379,328	27,516,166	1,219,387	29,732,000	9,911,100	632,500
1902.....	37,506,783	21,035,945	1,487,315	28,779,000	15,497,900	298,750
1903.....	27,018,901	26,400,194	2,012,871	30,845,000	25,564,300	510,625
1904.....	22,528,563	21,158,513	130,707	40,490,000	33,128,000	748,000

Total annual receipts, by River and by Rail, and aggregate receipts, with total annual shipments, by River and by Rail, and aggregate shipments:

YEARS.	Receipts (By River)	Receipts. (By Rail)	Aggregate Receipts.	Shipments. (By River)	Shipments. (By Rail)	Aggregate Shipments.
1893.....	54,020,025	26,592,000	80,612,025	2,414,682	16,458,000	18,867,682
1894.....	56,713,940	19,745,075	76,458,115	812,797	16,216,500	17,029,297
1895.....	41,796,318	28,346,323	70,143,141	3,458,825	15,336,500	18,795,325
1896.....	58,842,109	20,847,000	79,689,109	2,784,324	12,150,000	14,934,324
1897.....	58,042,776	25,719,250	78,762,026	3,509,056	15,664,000	19,173,056
1898.....	61,315,890	26,962,025	86,278,755	1,786,379	14,921,400	16,707,779
1899.....	52,356,278	31,464,050	83,820,328	1,195,436	14,043,600	15,239,036
1900.....	44,570,585	28,778,500	73,349,085	2,811,771	11,780,350	14,592,621
1901.....	51,115,381	40,275,000	91,390,381	5,207,771	22,047,025	27,254,796
1902.....	60,030,043	44,570,550	104,600,593	6,113,597	30,524,150	36,637,747
1903.....	55,431,966	56,919,025	112,351,991	2,787,000	36,635,750	39,422,750
1904.....	48,817,783	74,366,000	118,183,783	3,448,000	41,228,000	44,676,000

Total annual receipts of Coal, at Cincinnati, in tons of 2,000 pounds:

1893..... 2,905,071	1896..... 2,873,492	1899..... 3,022,697	1902..... 3,766,796
1894..... 2,755,137	1897..... 2,840,437	1900..... 2,642,315	1903..... 4,046,710
1895..... 2,530,061	1898..... 3,181,827	1901..... 3,292,604	1904..... 4,257,613

NOTE.—Kanawha receipts of Coal, by Rail, are computed by percentage of total receipts by Rail, based on best available information.

Receipts of Coke in 1904, 4,186,900 bushels; locally manufactured, 6,748,000; shipments, 5,333,000 bushels.

PRODUCTION OF COAL.

Annual production of Coal in the United States, in tons of 2,240 pounds, according to investigations of EDWARD W. PARKER, U. S. Geological Survey:

KINDS.	1903	1902	1901	1900	1899	1898
Bituminous.....	247,890,000	232,252,000	201,631,000	189,567,000	172,523,000	148,701,000
Anthracite.....	67,222,000	37,924,000	60,242,000	51,221,000	54,030,000	47,705,000
Total, tons.....	314,612,000	269,276,000	261,873,000	240,788,000	226,553,000	196,406,000

OHIO RIVER STEAMERS.

Detailed statement of Freight and Passenger Steamers in service between Cincinnati and other ports during the year 1904, showing names, when built, where built, and tonnage of each, according to custom-house measurement :

NAMES.	When Built.	Where Built.	Ton-nage.	NAMES.	When Built.	Where Built.	Ton-nage.
Avalon.....	1898	Clarington, O.....	305.00	Keystone State.....	1890	Marietta, O.....	599.02
Addie T.....	1904	Higginsport, O.....	146.00	Levi J. Workum.....	1891	Cincinnati, O.....	183.82
Ben Hur.....	1887	Harmar, O.....	284.00	Lizzie Bay.....	1886	Madison, Ind.....	176.39
Big Kanawha.....	1887	Madison, Ind.....	212.00	M. P. Wells.....	1888	Belle Vernon, Pa...	87.00
Bonanza.....	1885	Cincinnati, O.....	741.13	New South.....	1887	Jeffersonville, Ind.	932.95
City of Cincinnati.....	1899	Jeffersonville, Ind.	816.00	Peters Lee.....	1899	Jeffersonville, Ind.	463.00
City of Louisville.....	1894	Jeffersonville, Ind.	1,681.98	Queen City.....	1897	Cincinnati, O.....	624.23
Courier.....	1885	Freedom, Pa.....	296.49	Rees Lee.....	1899	Jeffersonville, Ind.	463.00
Crocket.....	1900	Parkersburg, W. Va.	65.00	Sunshine.....	1892	Brownsville, Pa....	535.04
Greenland.....	1903	Marietta, O.....	284.00	Tacoma.....	1883	New Richmond, O...	266.92
Greenwood.....	1898	Parkersburg, W. Va.	270.00	Vincennes.....	1899	Higginsport, O.....	81.00
Helen M. Gould.....	1899	Indianapolis, Ind..	108.00	Virginia.....	1895	Cincinnati, O.....	628.08
Henry M. Stanley...	1890	Pt. Pleasant, W. Va.	293.77				
Hudson.....	1886	Pittsburgh, Pa.....	741.76				
Indiana.....	1900	Jeffersonville, Ind.	836.00	Total tonnage, 1904.....			14,048.23
Island Queen.....	1896	Cincinnati, O.....	1,446.65	Total tonnage, 1903.....			13,498.23
Kanawha.....	1896	Ironton, O.....	429.00				
Katie Mc.....	1902	Proctorville, O.....	41.00	Increase.....			550.00

NOTE.—The above list includes only Steamers engaged in freight and passenger traffic during the year. One steamer destroyed in 1904, the Sunshine, burned at Tiptonville, Tenn., March 10.

The whole number of Steamers in the freight and passenger traffic between Cincinnati and other ports, and total tonnage, compared for ten years :

YEARS.	Number.	Tonnage.	YEARS.	Number.	Tonnage.
1895.....	30	18,587	1900.....	28	15,618
1896.....	25	15,082	1901.....	29	15,130
1897.....	27	15,881	1902.....	30	15,483
1898.....	25	14,677	1903.....	27	13,498
1899.....	29	16,311	1904.....	30	14,048

CINCINNATI PROPERTY VALUATION AND TAXATION.

Valuation of Real and Personal Property, Rate of Taxation and Amount of Tax Revenues, of Cincinnati, for years indicated :

YEARS.	Real Estate.	Personalty.	Amount of Levy.	Amount of Revenue.	YEARS.	Real Estate.	Personalty.	Amount of Levy.	Amount of Revenue.
1865.....	\$67,610,611	\$63,135,382	2.29	\$2,994,083 00	1895.....	\$147,926,860	\$40,588,020	2.814	\$5,308,401 72
1870.....	78,736,482	57,370,754	3.16	4,300,983 00	1900.....	164,311,260	42,170,530	2.598	5,364,396 90
1875.....	125,976,835	58,521,730	2.482	4,579,254 00	1901.....	170,123,990	44,747,630	2.482	5,333,113 60
1880.....	129,956,980	37,578,378	3.10	5,193,596 08	1902.....	169,369,040	41,978,840	2.818	4,899,043 86
1885.....	127,454,100	42,632,868	2.686	4,568,535 96	1903.....	171,186,690	44,785,700	2.270	4,901,892 25
1890.....	137,121,460	40,651,780	2.666	4,739,434 58	1904.....	177,190,590	46,949,370	2.254	5,062,114 70

ARRIVALS AND DEPARTURES OF STEAMERS.

Monthly arrivals and departures of Freight and Passenger Steamers, at Cincinnati, with comparisons for three years, as indicated:

MONTHS.	ARRIVED FROM											
	MEMPHIS AND NEW ORLEANS.			PITTSBURGH AND WHEELING.			OTHER POINTS.			TOTALS.		
	1904	1903	1902	1904	1903	1902	1904	1903	1902	1904	1903	1902
January .....	..	8	5	..	7	6	2	83	118	2	93	129
February .....	..	4	2	1	10	3	26	98	31	27	112	86
March	2	5	6	10	12	9	114	116	101	128	183	116
April	6	5	6	13	13	13	115	139	140	134	157	159
May	4	4	5	15	8	14	137	136	159	156	148	178
June	5	3	4	14	2	5	135	140	147	154	145	156
July	4	2	4	15	9	12	147	142	174	166	153	190
August .....	..	2	4	..	3	8	151	134	179	151	139	191
September .....	..	2	1	..	1	..	133	133	136	133	141	137
October .....	..	1	..	..	..	..	119	135	147	119	136	147
November .....	..	1	..	..	..	..	127	122	130	127	124	130
December .....	..	1	3	..	1	1	41	50	151	41	52	155
Totals	21	33	40	68	67	71	1,247	1,433	1,613	1,336	1,533	1,724

MONTHS.	DEPARTED FOR											
	MEMPHIS AND NEW ORLEANS.			PITTSBURGH AND WHEELING.			OTHER POINTS.			TOTALS.		
	1904	1903	1902	1904	1903	1902	1904	1903	1902	1904	1903	1902
January .....	..	5	5	..	7	5	..	83	134	..	95	144
February	1	4	3	..	10	1	82	94	83	33	108	37
March	2	3	6	11	12	12	118	119	104	121	134	122
April	5	5	6	13	13	13	114	139	140	132	157	159
May	4	5	4	13	5	14	133	133	156	155	148	174
June	4	3	3	15	3	3	137	141	149	156	147	155
July	5	3	5	12	8	12	145	144	173	162	155	190
August	1	2	3	1	1	7	150	133	177	152	136	187
September .....	..	3	..	..	..	..	130	137	135	130	140	135
October .....	..	1	..	..	..	..	120	133	149	120	134	149
November .....	..	1	..	..	3	2	126	126	129	126	129	131
December .....	..	..	4	2	..	2	42	44	150	44	44	156
Totals	22	35	39	67	62	71	1,252	1,425	1,629	1,341	1,522	1,739

Annual arrivals and departures of Steamers, at Cincinnati, for years indicated:

YEARS.	Arrivals.	Departures.	YEARS.	Arrivals.	Departures.	YEARS.	Arrivals.	Departures.
1899-70	2,712	2,726	1891-92	2,739	2,736	1893	1,891	1,894
1870-71	2,377	2,356	1892-93	2,340	2,329	1894	1,637	1,634
1871-72	2,271	2,235	1893-94	2,170	2,162	1895	1,028	953
1872-73	2,340	2,333	1894-95	2,137	2,133	1896	1,124	1,042
1873-74	2,596	2,600	1895-96	2,489	2,483	1897	950	945
1874-75	2,602	2,665	1896-97	2,272	2,281	1898	1,396	1,391
1875-76	2,779	2,808	1897-98	2,113	2,115	1899	1,686	1,612
1876-77	2,646	2,653	1898-99	2,621	2,522	1900	1,491	1,502
1877-78	2,942	2,942	1899-90	2,237	2,252	1901	1,385	1,295
1878-79	2,725	2,730	1900-91	2,234	2,234	1902	1,724	1,739
1879-80	3,163	3,167	1891-92	2,185	2,186	1903	1,533	1,522
1880-81	2,638	2,633	1892	2,062	2,062	1904	1,336	1,341

STAGES OF THE OHIO RIVER.

Highest, lowest and average Stages of the Ohio River, at Cincinnati, each year indicated, with the highest Stage during the floods of 1832 and 1847:

CALENDAR YEARS.	HIGHEST STAGE.		LOWEST STAGE.		AVERAGE FOR THE YEAR.
	DATE.	Feet. Inch.	DATE.	Feet. Inch.	Feet. Inch.
1832.....	February 13.....	64 8	.....	.....	.....
1847.....	December 17.....	63 7	.....	.....	.....
1866.....	March 7.....	56 8	October 19.....	5 8	21 10
1866.....	September 26.....	42 6	August 17.....	4 9	19 2
1867.....	March 14.....	55 8	October 19.....	8	17
1868.....	March 30.....	48 8	July 21.....	5 1	18 8
1869.....	April 2.....	48 9	August 21.....	5 4	19 8
1870.....	January 19.....	55 8	October 4.....	3 10	17 10
1871.....	May 18.....	40 6	October 12.....	2 8	11 10
1872.....	April 13.....	41 9	October 14.....	3	11 8
1873.....	December 18.....	44 5	October 12.....	8 8	18 5
1874.....	January 11.....	47 11	September 22.....	2 4	15 8
1875.....	August 6.....	55 4	September 19.....	4 3	18 9
1876.....	January 29.....	51 9	September 4.....	6 2	18 2
1877.....	January 20.....	53 9	October 9.....	3 3	15
1878.....	December 15.....	41 4	October 24.....	4 4	16 9
1879.....	December 27.....	42 9	October 23.....	2 6	14 6
1880.....	February 17.....	53 2	October 28.....	3 9	17
1881.....	February 16.....	50 7	September 18.....	1 11	16 11
1882.....	February 21.....	58 7	November 1.....	6 1	22 1½
1883.....	February 15.....	66 4	September 21.....	3 7	19 5½
1884.....	February 14.....	71 ¾	September 21.....	2 9	17 4
1885.....	January 20.....	46	September 26.....	2 6	15 7
1886.....	April 9.....	55 9	November 1.....	3 4	17 10
1887.....	February 5.....	56 3	September 23.....	2 8	15 1½
1888.....	April 1.....	39 11	August 7.....	5 3	17 11
1889.....	February 22.....	38 8	September 13.....	5 3	18 6
1890.....	March 26.....	59 2	August 30.....	5 9	25 8
1891.....	February 25.....	57 4	October 7.....	4 5	20 6
1892.....	April 25.....	43 8	November 5.....	3 5	16 6
1893.....	February 20.....	54 11	August 30.....	3 7	17 8
1894.....	February 15.....	35 6	September 14.....	3 1	12 9
1895.....	January 14.....	48 4	October 28.....	2 3	12 2
1896.....	April 4.....	47 8	September 25.....	5 5	16 7
1897.....	February 26.....	61 2	October 18.....	3 1	16 5
1898.....	March 29.....	61 4	October 6.....	4 5	19 7
1899.....	March 8.....	57 4	November 2.....	3 4	17 1
1900.....	December 1.....	40	October 20, 21, 22.....	3 2	13 8
1901.....	April 27.....	59 7	November 11, 12, 13, 15, 19, 20.....	4 2	17 6
1902.....	March 5.....	50 9	September 24, 25.....	3 9	16 8
1903.....	March 5.....	53 1	Oct. 5, Nov. 11 to 16.....	4 1	17 9
1904.....	March 9.....	45 9	October 6, 7.....	3 3	14 5

Yearly averages prepared from the Stages as shown by the Water-works marks daily at 6 A. M. and 6 P. M. since 1881; the previous years having been made from one daily observation, at 6 A. M.

From 1894 the Stages represent feet and tenths of feet.

RAINFALL IN THE OHIO VALLEY.

Annual Rainfall at various points in the Ohio Valley, prepared from reports of the U. S. Weather Bureau, in inches and hundredths of an inch:

POINTS.	1893	1894	1895	1896	1897	1898	1899	1900	1901	1902	1903	1904
Pittsburgh.....	37.84	28.17	27.50	44.85	35.08	35.76	33.85	25.78	40.76	32.22	38.81	33.76
Cincinnati.....	44.00	26.58	29.33	34.48	43.89	38.97	34.69	27.78	17.99	37.30	34.69	29.54
Louisville.....	43.93	38.08	38.86	48.22	43.96	51.00	37.86	38.04	29.53	41.65	33.69	29.25
Cairo.....	48.79	30.51	33.57	39.36	44.10	48.66	42.42	36.89	31.68	33.07	32.91	32.00
Columbus, O.....	38.12	29.49	30.74	40.53	41.15	41.31	28.45	30.30	26.53	34.23	28.14	31.48
Indianapolis.....	39.35	31.13	33.54	39.84	42.15	44.10	36.87	35.45	30.33	37.70	32.46	45.42
Chattanooga.....	47.46	37.22	46.36	37.77	45.29	40.47	54.18	46.78	58.44	82.90	45.17	32.68
Memphis.....	44.45	54.52	38.59	35.00	46.03	48.58	38.99	47.42	34.54	50.32	36.17	42.56
Nashville.....	46.30	41.96	42.83	40.21	44.03	50.02	44.44	48.54	38.11	43.90	43.03	37.26

RIVER COMMERCE.

Receipts and shipments of Merchandise, by river, at Cincinnati, for two years, each year ending December 31, as indicated:

ARTICLES.	RECEIPTS.		SHIPMENTS.	
	1904	1908	1904	1908
Ale, Beer and Porter, bbls.	94	196	6,829	8,239
Apples, Green, bbls.	4,776	10,488	3,184	5,280
Beef, lbs.	1,917	1,761	2,100	18,870
Boots and Shoes, cases.	3,192	5,882	10,708	12,519
Butter, tubs, etc.	120	1,960	252	626
Butterine, lbs.	448	511	9,340	52,850
Castings, tons.	4,116	7,760	131	220
Cattle, head.	1,004	3,868	1,127	1,119
Cement and Plaster, bbls.	121	71	4,707	5,818
Cheese, boxes.	52	1,369	8,081	2,068
Coffee, bags.	24,407	29,634	9,099	10,405
Cooperage, pieces.	12,470	39,684	6,059	6,940
Corn, bush.	28	4,757	88,217	9,183
Cotton, bales.	6,244	6,580	24	355
Crockery, pkgs.	20,128	28,445	1,227	3,160
Eggs, cases, etc.	21,197	84,568	5,609	3,830
Feathers, lbs.	3,894	8,324	5,100	7,001
Flour, bbls.	1,000	.....	8,708	18,432
Fresh Meats, lbs.	47,029	41,930	14,900	.....
Fruit, Dried, lbs.	.....	.....	28,876	64,027
Furniture, pkgs.	6,690	1,712	12,779	17,776
Glass, Window, boxes.	48,536	51,745	1,778	4,061
Glassware, pkgs.	9,005	11,873	27,063	33,069
Hardware, pkgs.	4,278	4,167	28,098	28,069
Hay, tons.	13,550	13,390	586	188
Hides, number.	4,550	250	1,401	2,538
Hog Product—Bacon, lbs.	3,000	.....	265,441	409,154
D. S. Meats, loose, lbs.	3,500	.....	142,940	18,550
D. S. Meats, in boxes, lbs.	500	2,000	410,500	192,000
Hams, lbs.	2,820	7,120	194,310	386,375
Lard, lbs.	1	8	541,181	339,386
Pork, bbls.	56,281	56,463	94	85
Hogs, head.	1,894	2,266	233	141
Horses, head.	2,550	3,176	1,219	1,278
Iron and Steel, tons.	9	7	786	1,918
Iron and Steel, Scrap, tons.	.....	216	1	.....
Iron, Pig, tons.	2,899	3,906	.....	.....
Leather, bundles.	7,935,000	18,800,000	1,454	1,538
Lumber, square feet.	.....	.....	185,000	75,000
Manufactures, sundry, pieces.	81,566	15,666	3,832	5,268
Merchandise, tons.	119	2,454	10,559	10,371
Molasses, bbls.	5,893	14,852	242	501
Nails, kegs.	7,352	9,256	4,149	9,017
Oats, bush.	807	702	14,062	13,784
Oil, bbls.	108	151	3,362	3,610
Petroleum, bbls.	5,440	15,016	1,526	2,940
Potatoes, bush.	2,264	914	25,848	16,047
Rice, bbls.	9,396	9,668	516	1,527
Rye, bush.	8,198	13,402	1,014	4,450
Salt, bbls.	176	435	8,610	7,139
Seed—Clover and Timothy, bags.	11,417	17,476	2,835	4,522
Sheep, head.	.....	.....	486	1,024
Sugar, hhds.	17	.....	.....	.....
Sugar, bbls.	8,552	18,108	3,626	3,411
Tobacco, Leaf, hhds.	17	26	2,583	8,113
Tobacco, Leaf, cases and bales.	426	742	36	104
Tobacco, Manufactured, pkgs.	27,789	52,679	1,717	1,692
Wheat, bush.	21,479	21,909	11,547	27,957
Whisky, bbls.	297	571	16,942	16,673
Wines and Liquors, bbls.	10,199	5,602	750	1,837
Wines and Liquors, boxes and baskets.	547	499	4,073	10,090
Wool, bales.	.....	.....	333	628

DAILY STAGES OF WATER FOR TWELVE MONTHS ENDING DECEMBER 31, 1904,

In the Ohio River at Cincinnati, daily, in feet and tenths, at 6:00 a. m.; and in the Ohio at Pittsburgh and Point Pleasant; the Kanawha at Charleston; daily, except Sunday, about 7:00 a. m.

1904	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
JANUARY.																															
Pittsburgh ..	4.6	4.6	2.6	2.6	4.0	4.0	3.1	2.5	2.5	2.4	2.2	2.1	2.1	2.1	2.0	2.0	1.9	1.9	2.2	2.9	4.0	8.9	28.7	27.5	19.2	13.7	11.3	8.7	6.9	6.1	5.7
Charleston ..	2.6	2.9	3.0	3.7	4.2	3.9	3.3	3.5	3.8	2.7	2.6	2.4	2.5	2.7	3.0	2.8	3.0	3.7	4.0	3.8	3.7	6.7	8.7	9.4	8.6	6.4	5.7	4.9	4.2	3.7	3.3
Pt. Pleasant ..	6.2	5.7	5.2	4.7	4.4	4.1	6.7	3.9	4.0	4.6	4.8	4.5	4.4	4.3	4.0	4.4	4.5	4.0	4.7	5.5	5.5	16.2	30.4	37.9	41.7	42.2	38.2	30.0	21.1	14.9	
Cincinnati ..	12.6	12.2	11.4	10.7	11.6	13.3	12.3	13.5	12.3	11.0	12.1	13.1	13.3	13.5	13.5	13.2	13.6	13.4	13.0	15.2	23.7	22.5	20.3	26.9	36.0	41.4	43.6	43.5	40.2	36.0	
FEBRUARY.																															
Pittsburgh ..	5.3	4.5	4.0	3.6	2.9	2.2	2.9	13.3	19.2	14.3	11.0	9.2	7.3	6.0	5.5	4.6	4.0	2.9	1.8	1.7	1.8	3.9	7.2	8.4	8.8	6.3	4.8	4.1	5.6		
Charleston ..	2.9	2.1	2.8	2.5	2.5	2.6	2.7	2.8	3.0	7.5	6.4	6.4	5.5	4.0	4.1	4.1	3.8	3.8	3.6	3.6	3.6	6.1	7.7	9.6	8.0	7.1	6.2	6.0	5.8		
Pt. Pleasant ..	11.8	10.4	9.2	8.2	7.6	6.8	6.5	8.2	14.2	21.1	26.8	26.4	23.0	17.5	14.2	11.5	9.5	8.4	7.3	6.5	5.4	5.4	7.7	12.5	15.4	17.7	16.6	14.6	12.9		
Cincinnati ..	29.1	24.0	19.5	17.5	15.5	14.3	15.0	17.6	17.6	17.8	21.0	27.0	30.2	30.0	27.3	24.3	21.4	19.9	17.6	15.0	13.0	16.0	16.2	16.0	16.5	20.0	22.8	23.9	23.4		
MARCH.																															
Pittsburgh ..	15.0	16.7	14.6	26.5	19.8	13.7	13.7	23.0	20.5	15.2	12.3	10.7	9.0	7.6	2.0	6.5	5.0	5.2	5.2	6.6	7.6	8.0	9.9	17.8	16.2	13.4	14.9	15.2	12.7	10.5	8.6
Charleston ..	6.5	8.4	8.5	8.2	8.3	7.2	6.5	8.2	11.4	10.1	7.7	6.7	6.3	5.9	6.7	5.7	5.7	5.4	5.3	5.2	5.2	3.3	6.2	9.0	8.9	7.5	7.6	7.1	6.5	6.1	5.6
Pt. Pleasant ..	12.5	17.7	26.2	31.3	36.5	40.1	40.8	39.7	30.0	39.4	38.0	34.2	28.4	23.0	19.4	16.8	15.0	13.7	12.7	12.2	12.5	13.5	18.0	23.5	26.6	28.0	30.0	30.4	30.3	29.7	27.2
Cincinnati ..	22.7	21.8	21.4	27.0	34.2	38.2	42.0	44.8	46.9	45.6	45.2	44.7	43.2	40.4	36.2	31.8	28.1	25.3	23.4	22.1	20.9	19.7	27.8	28.6	32.4	41.2	46.7	44.4	43.3	42.3	43.3
APRIL.																															
Pittsburgh ..	10.0	21.9	18.0	13.6	10.8	9.0	7.8	7.0	6.6	7.3	8.6	8.3	7.7	7.1	6.5	5.8	5.3	5.6	5.5	5.2	4.8	4.4	4.1	3.8	3.7	4.1	6.5	11.5	13.1	12.0	
Charleston ..	5.6	5.8	6.4	6.1	5.6	5.8	5.0	4.8	4.3	4.5	4.3	5.0	4.8	4.8	4.8	4.7	4.9	5.1	5.0	4.9	6.2	7.0	6.9	6.8	7.0	7.6	10.5	13.3	12.7	10.2	
Pt. Pleasant ..	24.4	21.7	26.4	33.2	36.9	34.6	29.7	23.0	18.0	15.0	13.7	13.5	14.0	14.3	14.0	18.1	12.3	11.7	11.0	10.5	10.0	9.5	8.9	8.4	7.8	8.4	11.1	19.0	23.8	23.5	
Cincinnati ..	44.3	42.3	39.9	37.0	38.0	41.0	42.1	40.8	37.4	32.8	28.0	24.9	22.2	21.0	20.8	20.4	20.2	19.6	18.9	17.8	17.6	16.5	16.0	15.6	14.8	16.4	18.0	19.7	22.2	30.3	
MAY.																															
Pittsburgh ..	11.2	10.3	8.9	7.3	6.2	5.4	4.5	4.2	3.7	3.5	3.2	4.0	5.2	4.3	5.8	5.5	6.8	6.7	4.2	10.0	10.5	9.2	9.4	6.9	6.9	7.1	6.5	8.4	7.9	6.3	5.4
Charleston ..	8.4	7.3	6.6	6.1	5.7	5.5	5.4	5.2	5.0	4.4	6.5	6.8	6.7	7.7	6.8	7.2	7.2	7.2	7.2	8.2	9.6	9.7	8.1	6.8	6.2	6.5	6.2	6.0	5.4	5.0	4.8
Pt. Pleasant ..	26.2	25.4	28.3	20.9	18.2	16.0	13.8	12.1	10.8	9.5	8.3	7.6	7.1	6.9	6.2	5.7	5.7	5.3	6.3	8.4	11.1	14.2	17.8	17.0	15.0	13.6	13.0	13.7	13.7	14.5	
Cincinnati ..	38.1	33.9	38.8	32.7	30.7	28.4	26.8	24.9	23.2	20.4	17.2	16.3	15.2	14.2	12.7	12.2	12.1	11.5	11.0	10.7	10.9	12.2	15.0	18.2	21.3	21.9	20.8	19.8	18.7	18.8	28.0
JUNE.																															
Pittsburgh ..	6.5	8.2	8.4	7.7	6.3	5.3	5.5	5.2	5.1	4.8	4.3	4.1	3.4	6.0	5.4	5.8	6.4	5.9	5.8	5.5	5.6	5.3	5.5	6.4	6.4	6.3	4.8	5.4	5.1	5.0	
Charleston ..	4.8	2.0	6.2	7.6	6.3	5.8	5.8	6.2	11.8	6.5	6.8	7.0	7.2	6.9	7.3	6.6	7.6	7.4	7.0	6.9	7.2	6.7	7.0	6.5	7.2	7.0	6.9	7.0	7.4	7.8	
Pt. Pleasant ..	13.5	12.8	16.4	19.6	20.5	19.0	16.4	13.7	16.4	10.4	9.5	8.9	8.9	8.0	7.6	6.6	5.3	5.0	4.5	4.7	4.6	4.7	6.0	6.3	6.5	6.3	5.7	5.1	5.3	5.9	
Cincinnati ..	22.3	25.7	22.4	22.4	23.3	25.1	26.0	24.8	23.6	21.5	19.0	17.0	16.8	14.8	14.8	14.5	13.8	13.0	11.8	10.7	9.9	9.7	9.7	9.8	10.3	11.0	11.3	11.7	11.8	11.2	

DAILY STAGES OF WATER—Continued.

1904	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
JULY.																																
Pittsburgh...	6.0	5.3	5.4	5.8	4.8	6.2	6.5	9.5	7.5	6.0	9.8	8.9	7.4	6.2	5.5	4.5	3.5	2.9	5.0	5.7	5.8	5.5	5.3	6.1	6.3	5.8	5.8	5.5	4.9	5.9	6.5	
Charleston...	7.6	6.4	5.8	5.1	4.6	6.0	5.6	6.4	7.6	7.4	7.0	7.3	7.3	7.3	7.0	6.9	7.0	7.1	6.6	6.8	6.8	6.8	6.9	6.6	7.0	7.0	7.0	7.4	7.2	7.0	7.5	
Pt. Pleasant...	11.2	9.0	8.5	7.9	7.4	6.1	5.4	5.8	10.5	15.4	15.2	13.1	13.2	14.2	13.1	11.5	10.0	8.7	7.1	6.8	5.0	4.4	4.1	3.9	3.6	3.3	3.2	3.3	3.5	3.3	3.2	
Cincinnati...	10.5	11.1	12.8	14.5	15.1	14.3	13.3	12.5	11.9	12.3	15.8	21.5	22.3	20.9	20.2	19.2	18.5	17.5	16.6	14.9	13.7	12.1	10.8	9.8	9.0	8.5	8.0	7.7	7.5	7.2	7.1	
AUGUST.																																
Pittsburgh...	6.2	5.8	6.0	6.5	5.9	5.5	5.8	5.9	5.5	5.5	5.8	5.6	5.6	6.0	6.0	6.0	5.8	6.0	6.7	5.8	5.6	6.0	6.7	5.9	6.6	4.8	5.9	6.9	6.0	5.5	5.8	
Charleston...	7.1	7.0	6.8	7.1	7.1	7.1	7.2	7.2	7.2	6.8	7.0	7.0	7.0	7.0	6.8	6.7	6.7	6.7	6.6	6.7	6.8	6.8	6.8	6.8	6.9	6.9	6.6	6.6	6.6	6.6	6.6	
Pt. Pleasant...	3.8	3.8	3.1	3.0	3.1	3.1	3.0	3.0	3.0	2.8	2.3	2.4	2.1	2.6	2.3	2.0	1.9	1.8	1.8	2.0	2.2	1.9	2.2	2.1	2.0	2.3	2.4	3.2	3.2	3.3	3.0	
Cincinnati...	7.1	7.2	7.0	7.2	7.3	7.2	7.0	6.9	6.8	6.7	6.7	6.7	6.9	6.5	6.5	5.9	5.7	5.5	5.4	6.4	5.7	5.8	5.3	5.7	5.9	5.8	5.8	5.9	5.7	5.8	6.2	
SEPTEMBER.																																
Pittsburgh...	5.7	5.8	5.7	6.2	6.0	5.9	6.2	6.2	6.0	5.8	5.8	6.0	6.0	5.9	5.9	5.7	5.4	5.8	5.9	5.9	5.9	5.8	5.7	5.7	5.7	6.0	5.9	6.1	6.1	6.9	6.9	
Charleston...	6.6	6.8	6.8	6.8	6.8	7.0	6.6	6.8	6.8	6.8	6.6	6.6	6.6	6.5	6.5	6.5	6.5	6.5	6.5	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.4	6.4	6.4	
Pt. Pleasant...	2.7	2.5	2.3	2.2	2.0	2.0	2.0	2.0	2.0	2.0	1.8	1.6	1.6	1.6	1.5	1.5	1.4	1.4	1.4	1.3	1.3	1.3	1.2	1.1	1.0	0.9	0.9	0.8	0.8	0.8	0.8	
Cincinnati...	6.5	6.8	6.8	6.5	6.3	6.1	5.8	5.6	5.4	5.2	5.1	5.0	4.9	4.9	4.9	4.9	4.7	4.6	4.6	4.6	4.5	4.2	4.1	4.1	4.1	4.0	3.9	3.8	3.7	3.7	3.7	
OCTOBER.																																
Pittsburgh...	6.7	6.6	6.5	6.4	6.3	6.2	6.2	6.0	5.9	5.8	6.3	6.2	6.2	6.0	6.4	6.7	6.8	6.3	6.0	5.8	6.0	6.2	6.2	6.2	6.2	5.9	6.7	6.6	6.2	6.0	6.3	6.3
Charleston...	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.0	6.0	6.0	6.0	6.2	6.8	6.8	6.8	6.8	6.5	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	
Pt. Pleasant...	0.8	0.7	0.7	1.5	1.9	1.9	1.8	1.7	1.6	1.6	1.6	1.5	1.5	1.7	1.7	1.6	1.5	1.4	1.5	1.9	2.1	2.0	1.8	1.6	1.5	1.4	1.4	1.4	1.4	1.4	1.4	
Cincinnati...	3.6	3.6	3.4	3.4	3.4	3.3	3.3	3.8	4.3	4.2	4.6	4.5	4.3	4.2	4.2	4.2	4.2	4.2	4.3	4.4	4.4	4.3	4.2	4.3	4.3	4.9	4.9	4.6	4.2	4.2	4.1	
NOVEMBER.																																
Pittsburgh...	5.8	6.2	6.0	6.3	6.3	6.2	6.2	6.0	6.0	6.0	5.9	6.0	5.8	5.9	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.7	5.3	5.5	5.8	5.8	5.8	5.8	5.8	5.8	5.8	
Charleston...	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.9	6.9	6.8	6.8	6.9	7.0	7.0	7.0	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	
Pt. Pleasant...	2.4	2.2	2.2	2.2	2.2	2.0	1.8	1.5	1.4	1.4	1.4	1.4	1.3	1.2	1.2	1.2	1.2	1.2	1.3	1.4	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.0	1.0	1.0	1.0	
Cincinnati...	4.1	4.1	5.2	5.5	5.4	5.1	5.0	4.9	4.8	4.8	4.4	4.3	4.2	4.1	4.1	4.0	4.0	4.0	4.0	3.9	3.8	3.8	3.7	4.0	3.8	3.8	3.8	3.7	3.7	3.7	3.7	
DECEMBER.																																
Pittsburgh...	5.9	5.8	5.8	6.1	6.3	5.7	5.5	5.5	5.8	5.8	5.1	4.5	4.5	5.0	4.3	4.3	4.5	4.4	4.5	4.8	4.8	4.8	4.8	5.0	5.5	5.8	8.6	8.7	10.1	12.3	9.7	7.0
Charleston...	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.4	7.4	7.4	7.4	7.3	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.9	7.0	7.8	8.0	7.8	7.0
Pt. Pleasant...	0.9	0.9	0.8	0.8	0.9	0.9	0.9	0.9	1.1	1.6	1.6	1.8	1.7	1.6	1.5	1.4	1.1	1.1	1.0	1.0	0.9	0.9	0.8	0.9	0.9	1.0	1.1	3.1	3.6	11.8	14.4	15.8
Cincinnati...	3.7	3.7	3.7	3.7	3.7	3.6	3.5	3.5	3.5	3.4	3.5	4.2	4.6	4.8	4.8	4.6	5.0	5.0	5.3	4.9	4.8	4.1	4.4	4.0	4.0	3.7	4.3	4.8	5.5	5.0	5.6	11.8

MANUFACTURES OF THE CITY OF CINCINNATI.

Table showing Number of Industrial Establishments, Capital Invested, Number of Wage Earners Employed, Expenses, Cost of Materials, and Value of Products, at Cincinnati, according to the Census report for 1900:

MANUFACTURING AND MECHANICAL INDUSTRIES.	Number of Establishments.	Capital. — Total.	Number of Wage Earners.	Expenses. — Total.	Cost of Materials.	Value of Products.
Awnings, Tents and Sails.....	7	\$41,875	40	\$6,221	\$36,192	\$71,907
Bags, other than Paper.....	3	42,850	28	2,815	64,830	88,800
Bags, Paper.....	7	184,755	126	10,763	324,156	463,472
Baking and Yeast Powders.....	5	48,100	44	20,979	108,414	198,000
Bicycle and Tricycle Repairing.....	22	22,250	22	4,823	11,205	42,520
Billiard Tables and Materials.....	3	16,450	15	3,146	23,435	48,246
Blacksmithing and Wheelwrighting.....	166	220,108	324	80,667	118,986	518,716
Bookbinding and Blank Book Making.....	18	70,148	179	17,027	40,142	183,822
Boot and Shoe Cut Stock.....	3	13,051	9	790	72,436	97,080
Boots and Shoes, custom work and repairing.....	292	88,789	164	28,152	80,662	325,748
Boots and Shoes, factory product.....	39	3,688,918	6,919	371,004	5,297,822	8,788,424
Boxes, Cigar.....	8	188,246	240	16,618	216,280	353,900
Boxes, Fancy and Paper.....	12	202,308	543	33,805	153,428	425,734
Boxes, Wooden Packing.....	8	204,380	196	14,595	317,530	475,620
Brass Castings and Brass Finishing.....	10	854,843	455	23,630	275,307	574,782
Brassware.....	4	103,215	61	12,680	37,180	106,400
Bread and other Bakery Products.....	268	1,508,481	1,101	238,375	1,671,279	3,048,295
Brick and Tile.....	12	26,150	54	7,358	12,016	65,650
Brooms and Brushes.....	17	227,970	128	85,095	244,764	491,308
Carpentering.....	304	598,777	1,160	790,737	1,294,503	3,418,568
Carriage and Wagon Materials.....	18	792,222	629	54,965	615,279	1,136,940
Carriages and Wagons.....	63	3,486,763	2,147	237,417	3,652,808	6,096,108
Cars and General Shop Construction and Repairs by Steam Railroad Companies.....	4	155,884	460	36,866	147,715	454,245
Chemicals.....	8	534,180	94	59,876	692,351	957,446
Cleansing and Polishing Preparations.....	4	20,450	13	9,090	18,777	56,400
Clothing, Men's, custom work and repairing.....	270	790,916	880	319,890	838,525	2,169,113
Clothing, Men's, factory product.....	351	8,262,871	3,784	1,588,198	6,640,080	11,950,648
Clothing, Men's, factory product (buttonholes).....	5	17,575	144	4,356	12,796	74,514
Clothing, Women's, dressmaking.....	229	145,015	634	38,036	177,558	583,315
Clothing, Women's, factory product.....	88	850,135	1,963	123,541	1,173,226	2,074,805
Coffee and Spice, roasting and grinding.....	10	473,895	109	30,899	1,159,871	1,416,395
Coffins, Burial Cases and Undertakers' Goods.....	4	1,248,901	492	95,179	461,727	942,007
Confectionery.....	53	733,261	518	68,604	1,002,685	1,525,359
Cooperage.....	35	802,397	708	36,947	627,518	1,110,860
Cutlery and Edge Tools.....	6	20,960	24	2,149	6,106	36,551
Druggists' Preparations (not including Prescriptions).....	6	624,600	135	48,675	242,943	792,150
Dyeing and Cleaning.....	21	82,215	114	11,832	24,041	118,279
Electrical Apparatus and Supplies.....	9	320,631	233	82,160	530,299	813,130
Electrical Construction and Repairs.....	21	43,790	88	11,298	122,640	356,959
Electroplating.....	6	73,778	54	5,422	16,096	66,835
Enameling and Enameled Goods.....	3	18,397	42	2,582	23,715	48,744
Engraving and Diesinking.....	11	33,535	19	2,608	6,078	33,418
Engraving, Steel (including Plate Printing).....	5	17,886	28	2,470	5,975	34,750
Engraving, Wood.....	8	27,310	50	4,870	9,265	78,800
Flavoring Extracts.....	3	23,600	12	9,174	42,890	69,100
Flouring and Grist Mill Products.....	10	287,864	61	19,461	676,760	789,114
Food Preparations.....	4	46,101	61	6,973	42,492	90,783
Foundry and Machine Shop Products.....	154	10,363,917	6,680	964,178	4,963,461	11,705,778
Foundry Supplies.....	3	111,500	59	10,403	108,450	210,000
Furnishing Goods, Men's.....	6	66,650	178	5,168	97,209	248,680
Furniture, cabinetmaking, repairing and upholstering.....	54	76,414	114	16,539	75,745	213,764
Furniture, factory product.....	54	3,817,295	2,355	194,789	1,563,651	3,594,196
Gas Machines and Meters.....	4	267,364	97	9,559	159,394	320,425
Glass, cutting, staining and ornamenting.....	13	89,595	180	8,572	50,896	167,523
Grease and Tallow.....	8	263,150	69	10,517	686,525	788,837
Hardware.....	10	610,805	428	47,640	269,785	631,862
Hats and Caps (not including Fur and Wool Hats).....	12	135,870	285	29,073	241,195	447,085

MANUFACTURES OF THE CITY OF CINCINNATI—Continued.

MANUFACTURING AND MECHANICAL INDUSTRIES.	Number of Establishments.	Capital. Total.	Number of Wage Earners.	Expenses. Total.	Cost of Materials.	Value of Products.
Hosiery and Knit Goods.....	6	409,557	231	16,773	124,226	267,244
Housefurnishing Goods (not elsewhere specified).....	6	78,460	35	2,923	66,365	102,500
Ice, Manufactured.....	5	147,524	37	11,134	26,133	81,233
Ironwork, Architectural and Ornamental.....	10	267,473	287	32,753	375,721	679,070
Jewelry.....	16	628,938	199	48,054	494,577	820,783
Leather Goods.....	4	18,110	33	4,785	46,066	78,500
Leather, tanned, curried and finished.....	15	4,865,480	943	70,980	2,490,184	3,446,525
Liquors, Distilled.....	3	1,522,800	163	7,844,318	1,034,113	9,419,687
Liquors, Malt.....	21	11,370,912	1,282	8,023,781	1,402,644	6,387,883
Liquors, Vinous.....	5	26,175	8	5,040	14,955	34,075
Lithographing and Engraving.....	11	2,048,728	954	130,325	617,299	1,665,116
Looking-glasses and Picture Frames.....	14	619,245	396	44,164	244,740	572,026
Lumber and Timber Products.....	6	3,173,790	604	82,328	1,075,968	2,044,650
Lumber, planing mill product (including Sash, Doors and Blinds).....	17	548,289	508	34,022	430,978	887,253
Malt.....	7	508,290	68	31,937	476,089	604,384
Marble and Stone Work.....	19	344,845	304	27,766	234,973	489,990
Masonry, Brick and Stone.....	117	446,207	1,120	298,314	613,167	1,804,438
Mattresses and Spring Beds.....	9	108,193	111	17,526	140,696	238,476
Millinery and Lace Goods.....	11	120,964	243	12,069	110,726	229,100
Millinery, custom work.....	99	162,874	258	58,612	274,217	567,435
Mineral and Soda Waters.....	14	228,640	98	25,096	88,715	134,558
Models and Patterns.....	20	70,600	108	7,388	27,443	149,412
Monuments and Tombstones.....	19	108,270	59	6,766	78,894	167,833
Musical Instruments, Pianos and Materials.....	4	790,601	513	76,747	489,298	931,274
Painting, House, Sign, etc.....	261	219,282	888	40,857	299,557	1,149,192
Paints.....	13	1,972,263	230	140,371	1,291,560	1,844,207
Paper Goods (not elsewhere specified).....	4	82,700	46	6,786	101,700	175,500
Paper Hanging.....	78	142,948	241	31,004	183,480	451,375
Patent Medicines and Compounds.....	41	281,223	189	133,120	149,551	584,666
Paving and Paving Materials.....	38	248,757	421	29,342	289,759	655,142
Perfumery and Cosmetics.....	3	33,502	29	23,024	40,536	90,474
Photography.....	32	97,450	108	21,619	52,400	188,750
Photolithographing and Photoengraving.....	6	35,250	43	2,605	8,264	46,300
Pickles, Preserves and Sauces.....	8	347,650	264	123,451	599,880	1,077,450
Plastering and Stuccowork.....	52	108,924	149	8,517	77,166	275,261
Plumbers' Supplies.....	7	857,630	317	18,078	389,235	676,345
Plumbing and Gas and Steam Fitting.....	140	364,864	543	42,662	477,095	1,147,101
Pottery, Terra Cotta and Fire-clay Products.....	7	413,379	287	19,056	62,294	291,062
Printing and Publishing, Book and Job.....	115	1,630,554	1,617	177,234	866,618	2,513,458
Printing and Publishing, Music.....	3	190,888	41	133,830	22,080	250,158
Printing and Publishing, Newspapers and Periodicals.....	81	3,254,701	1,044	587,585	835,975	3,546,013
Regalia and Society Banners and Emblems.....	7	258,950	342	74,765	283,552	620,170
Roofing and Roofing Materials.....	31	340,251	149	34,441	428,925	684,335
Saddlery and Harness.....	58	781,598	478	62,239	682,444	1,194,474
Safes and Vaults.....	5	614,594	428	70,300	340,199	773,051
Saws.....	4	71,856	29	2,959	23,257	58,354
Ship and Boat Building, wooden.....	4	59,800	103	15,047	24,254	98,114
Shirts.....	29	213,877	458	41,686	268,071	561,951
Slaughtering and Meat Packing, wholesale.....	21	2,790,814	801	419,379	8,083,282	9,532,057
Slaughtering, wholesale (not including Meat Packing).....	6	102,250	55	18,510	723,370	838,120
Soap and Candles.....	20	1,180,827	452	71,558	1,279,812	1,877,062
Sporting Goods.....	5	94,302	91	10,575	196,828	245,736
Stamped Ware.....	4	236,000	85	6,997	138,860	244,200
Steam Fittings and Heating Apparatus.....	7	669,368	293	43,412	235,915	658,378
Stereotyping and Electrotyping.....	4	50,300	45	7,037	15,340	96,369
Tinmithing, Coppermithing and Sheet-iron Working.....	127	659,911	748	74,876	792,768	1,521,564
Tobacco, Chewing, Smoking and Snuff.....	11	615,188	292	1,047,285	688,052	1,987,464
Tobacco, Cigars and Cigarettes.....	295	2,051,572	3,603	1,146,784	1,576,715	4,781,003
Tools (not elsewhere specified).....	10	66,997	57	11,243	54,843	134,962
Trunks and Valises.....	9	169,181	158	10,718	151,589	274,084
Umbrellas and Canes.....	7	44,700	45	4,753	41,505	77,900
Varnish.....	8	352,500	37	41,775	230,326	410,715
Washing Machines and Clothes Wringers.....	6	19,825	42	3,678	65,091	111,650
Watch, Clock and Jewelry Repairing.....	107	60,969	118	15,129	34,708	192,830
Wirework (including Wire Rope and Cable).....	7	21,540	27	3,915	35,540	66,550
Wood, turned and carved.....	19	421,115	167	21,776	260,835	461,571
Total—Other Industries.....	253	15,758,147	4,084	731,562	6,510,911	11,448,017
Grand Total—All Industries.....	5,127	\$109,582,142	63,240	\$22,873,620	\$77,539,292	\$157,806,834

RAINFALL AT CINCINNATI.

Monthly and annual Rainfall, at Cincinnati, together with the average in the whole period, in inches and hundredths of an inch :

YEARS.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
1843.....	3.51	3.54	2.97	6.15	3.54	4.52	2.92	5.89	6.73	4.16	4.26	3.00	51.19
1844.....	8.10	1.04	4.50	3.13	7.00	6.16	3.50	3.65	1.26	4.82	3.18	1.10	41.94
1845.....	3.03	1.66	5.46	1.08	1.89	11.50	3.06	6.88	7.51	2.03	1.68	.60	46.38
1846.....	8.59	3.20	2.26	3.51	5.17	7.53	3.98	6.10	2.50	2.19	4.26	9.25	53.49
1847.....	4.71	4.06	5.37	2.12	4.30	7.63	8.25	3.20	3.87	9.57	3.95	8.15	65.18
1848.....	4.58	2.81	6.72	.55	5.13	1.86	6.95	3.90	1.53	3.62	2.60	9.43	49.68
1849.....	6.48	2.04	4.70	3.65	3.61	4.90	8.90	4.41	2.68	3.86	2.42	5.32	52.97
1850.....	5.20	6.28	6.62	4.27	1.86	5.00	6.30	7.20	2.22	1.05	2.54	6.22	54.76
1851.....	.65	6.15	3.04	1.80	3.30	2.10	3.25	2.55	.43	2.60	3.25	3.37	32.49
1852.....	2.08	5.20	5.16	5.80	8.15	5.25	2.05	4.35	4.15	2.75	4.57	9.89	54.35
1853.....	1.53	5.14	2.14	7.70	2.21	1.90	4.81	2.16	4.70	3.78	3.30	.73	40.10
1854.....	4.10	5.57	8.33	2.97	7.29	4.84	2.32	3.18	2.12	3.01	3.66	3.88	50.77
1855.....	3.71	1.58	3.66	3.05	5.24	3.10	4.35	4.25	2.98	1.31	5.22	3.28	46.73
1856.....	1.00	2.49	1.51	.73	1.23	2.24	3.43	.61	3.62	1.74	2.09	2.19	22.88
1857.....	.54	1.98	.76	2.73	5.53	3.09	2.50	2.92	.75	4.92	5.36	3.82	34.90
1858.....	2.56	1.74	1.05	4.34	8.32	5.69	3.01	7.97	.85	4.66	2.57	6.41	49.17
1859.....	2.58	5.92	4.88	7.58	2.32	3.22	1.24	3.79	2.10	1.28	4.46	3.75	42.57
1860.....	1.43	1.56	.41	5.32	3.68	1.55	7.97	.92	4.34	1.28	3.53	1.85	33.84
1861.....	2.68	1.81	2.06	8.88	5.91	3.80	3.62	7.10	2.94	3.77	3.62	1.10	42.31
1862.....	4.74	2.36	5.84	6.80	3.32	3.02	3.05	1.49	.98	.80	3.97	3.01	38.33
1863.....	5.55	3.05	4.37	2.13	2.84	3.11	3.21	2.99	3.10	3.85	2.05	3.80	40.05
1864.....	1.85	.99	.90	2.43	2.34	3.43	1.25	3.42	3.64	2.92	3.40	2.94	34.51
1865.....	2.45	2.43	4.40	3.89	7.72	2.59	7.77	2.26	5.76	.86	.56	3.89	44.63
1866.....	3.36	1.10	5.22	2.49	.98	4.43	7.82	6.31	10.07	1.83	1.57	1.72	46.90
1867.....	1.27	5.32	1.93	8.25	4.48	3.67	2.08	1.13	.65	3.10	1.66	3.66	32.10
1868.....	7.29	.88	5.41	3.30	6.01	7.26	1.80	6.65	8.21	1.10	1.16	1.64	50.71
1869.....	2.17	3.05	5.14	3.05	5.93	3.00	5.88	1.20	3.20	2.75	3.16	3.50	41.51
1870.....	6.20	2.98	4.00	1.42	1.90	5.35	5.56	1.10	.70	3.23	1.40	2.85	36.19
1871.....	2.48	5.10	4.30	1.30	6.45	2.15	4.75	6.90	1.23	1.10	4.28	3.27	42.31
1872.....	6.05	1.66	1.47	4.81	4.10	3.81	7.82	2.21	1.62	3.33	1.12	2.43	40.43
1873.....	2.66	3.76	2.36	2.89	3.50	3.56	3.94	4.69	2.24	2.79	2.50	6.47	41.33
1874.....	3.95	5.91	3.65	4.06	1.33	2.58	3.42	1.08	2.33	1.31	5.35	2.58	37.56
1875.....	1.59	1.83	3.69	2.12	3.92	4.33	9.33	3.17	.65	3.05	4.35	3.75	42.56
1876.....	9.53	2.92	5.07	3.28	1.25	6.67	6.91	6.38	3.17	4.26	2.96	3.88	52.72
1877.....	2.33	.67	5.47	2.32	1.76	5.24	4.25	2.26	1.66	1.85	3.49	3.35	34.66
1878.....	4.28	2.33	4.03	3.05	2.58	5.03	4.32	4.11	2.84	2.39	2.77	3.99	41.62
1879.....	2.20	2.22	5.80	2.14	4.23	5.22	2.75	11.72	4.01	.65	4.05	7.11	51.00
1880.....	5.14	4.50	4.15	5.82	5.70	9.86	2.46	4.01	1.37	2.98	4.42	4.26	54.67
1881.....	3.76	4.95	3.51	3.25	2.23	7.32	3.12	.76	2.10	6.01	4.06	5.67	47.24
1882.....	6.02	7.04	6.17	2.71	8.47	4.84	2.91	5.75	3.16	1.59	1.57	2.39	52.12
1883.....	2.82	8.22	3.48	3.72	5.49	3.61	2.21	2.10	1.84	3.39	4.87	5.61	52.36
1884.....	2.21	8.87	2.63	3.02	5.56	2.77	1.73	2.05	3.87	1.35	1.23	3.99	39.24
1885.....	5.80	2.67	.56	3.34	2.07	3.98	1.40	4.95	2.72	2.30	2.33	1.82	33.94
1886.....	2.83	1.65	2.27	2.23	4.11	5.26	3.07	2.91	1.80	.82	3.23	1.67	31.35
1887.....	2.37	7.29	2.07	5.86	3.62	2.64	1.31	2.81	1.93	.55	2.83	1.90	35.03
1888.....	2.78	1.37	3.94	1.14	2.70	1.75	2.46	7.80	1.79	3.05	4.78	1.32	34.85
1889.....	2.36	1.72	.61	1.21	2.52	4.03	4.55	.26	4.31	2.03	5.28	2.02	30.32
1890.....	5.28	4.63	6.26	2.63	3.58	6.00	1.46	5.91	3.28	4.14	2.65	1.88	47.70
1891.....	3.31	3.87	4.86	1.55	1.08	4.83	5.13	2.83	2.65	1.16	5.03	2.14	38.44
1892.....	1.62	2.83	1.96	5.66	3.95	3.31	1.43	3.03	3.78	.40	2.26	1.22	31.95
1893.....	2.87	4.84	1.93	7.10	6.40	4.45	3.79	.86	3.90	3.17	2.04	2.65	44.00
1894.....	2.75	3.78	2.36	1.60	2.32	4.17	.13	1.98	2.46	.82	.98	3.23	26.56
1895.....	6.13	.37	1.51	2.62	1.82	2.15	2.27	3.29	.49	.73	4.66	3.29	29.33
1896.....	1.49	1.56	3.20	.59	2.17	2.70	7.40	3.70	5.00	2.29	3.29	1.09	34.43
1897.....	2.48	5.27	9.89	3.06	2.46	1.87	6.71	1.91	.64	.46	6.80	2.32	43.39
1898.....	7.76	2.21	6.70	1.15	3.03	1.58	3.26	2.61	2.62	2.90	2.69	2.46	38.97
1899.....	3.32	2.04	5.94	1.21	4.33	3.27	1.58	3.65	2.18	1.64	2.60	2.93	34.69
1900.....	2.54	2.22	1.75	1.43	3.94	1.01	3.48	4.17	.28	1.45	4.50	1.01	27.78
1901.....	.87	1.35	2.01	1.93	1.62	2.27	1.44	.88	.92	.59	.74	3.37	17.99
1902.....	2.10	.38	1.47	2.87	5.54	5.25	3.47	.65	4.26	2.77	3.29	5.25	37.30
1903.....	2.05	5.76	4.97	3.49	3.83	3.27	2.31	2.75	1.78	1.31	1.45	1.72	34.69
1904.....	2.66	2.66	3.17	2.28	3.70	2.60	.80	.41	1.28	.89	.34	3.75	29.54
Avg. 1835-1850.	3.60	3.13	3.79	3.37	4.32	5.41	4.69	4.64	3.12	3.49	3.43	4.35	47.84
Avg. 1835-1860.	2.99	3.36	3.50	3.69	4.60	4.29	4.23	4.11	3.92	3.20	3.58	4.16	45.13
Avg. 1835-1870.	3.20	3.09	3.62	3.56	4.47	4.56	4.21	3.90	3.34	2.98	3.21	3.78	43.92
Avg. 1835-1880.	3.38	3.10	3.69	3.47	4.23	4.63	4.39	4.07	3.07	2.85	3.26	3.78	43.92
Avg. 1835-1890.	3.43	3.41	3.59	3.37	4.20	4.66	4.03	3.97	2.99	2.88	3.27	3.61	43.31
Avg. 1835-1900.	3.43	3.33	3.66	3.26	4.04	4.32	3.95	3.79	2.90	2.67	3.30	3.40	42.06
Avg. 1835-1904.	3.34	3.28	3.68	3.22	4.02	4.27	3.84	3.64	2.86	2.60	3.20	3.41	41.36

WEATHER SUMMARY.

A very full history of the weather conditions, at Cincinnati, is shown in the accompanying exhibits, covering a wide range of observations, (thermometrical, barometrical, etc.,) prepared especially for the Chamber of Commerce, by Mr. JOHN CRAIG, Observer U. S. Weather Bureau, from data collected by the Government at this station, and furnished by Mr. S. S. BASSLER, Local Forecaster:

METEOROLOGICAL DATA FOR THE YEAR ENDING DECEMBER 31, 1904.

TEMPERATURE.

Mean temperature of the year, 58 degrees.
Maximum temperature of the year, July 17th and August 25th, 94 degrees.
Minimum temperature of the year, February 16th, Zero.
Range of temperature, 94 degrees.
Mean of the coldest month, January, 27 degrees.
Mean of the coldest day, February 16th, 8 degrees.
Mean of the warmest month, July, 77.5 degrees.
Mean of the warmest day, 82 degrees: July 17th and 19th.
Greatest monthly range, February, 67 degrees.
Least monthly range, June and August, 38 degrees.
Greatest daily range, March 8d, 47 degrees.
Least daily range, January 11th, February 8th, March 27th and May 18th, 5 degrees.
Mean temperature of autumn, 57 degrees.
Mean temperature of winter, 28 degrees.
Mean temperature of spring, 52 degrees.
Mean temperature of summer, 74 degrees.

BAROMETRIC OBSERVATIONS.

Mean barometer for the year, 30.07 inches.
Highest barometer for the year, January 18th, 30.62 inches.
Lowest barometer for the year, December 27th, 29.25 inches.
Annual range of the barometer for the year, 0.795 inch.
Highest monthly mean barometer, February, 30.21 inches.
Lowest monthly mean barometer, May, 29.96 inches.
Greatest monthly range of barometer, January, 1.18 inches.
Least monthly range of barometer, June, 0.89 inch.

WINDS.

Prevailing direction of wind, southwest.
Total movement of wind, 63,638 miles.
Greatest monthly movement of wind, February, 6,636 miles.
Least monthly movement of wind, September, 4,072 miles.

WINDS.

Greatest daily velocity of wind, December 28th, 511 miles.

Least daily velocity of wind, November 2d, 39 miles.

Mean hourly velocity of wind, 7.2 miles.

RAIN.

Total rainfall for year, 29.54 inches.

Total rainfall for autumn, 0.84 inches.

Total rainfall for winter, 2.85 inches.

Total rainfall for spring, 4.71 inches.

Total rainfall for summer, 1.27 inches.

HUMIDITY

Mean relative humidity for the year, 67 per cent.

Driest month, August, 60 per cent.

Dampest month, January, 80 per cent.

GENERAL OBSERVATIONS.

First light frost of autumn, September 15th.

First killing frost of autumn, October 28th.

First snow of autumn, November 18th.

First thunderstorm of calendar year, February 7th. Last, December 25th.

Last snow of spring, April 14th.

Last frost of spring, May 16th.

Total snowfall for the year, 17.2 inches.

MONTHLY CHARACTERISTICS.

January, 1904.—The mean temperature, 27.0 degrees, was 5.5 degrees below normal. The maximum temperature recorded during the month was 60 degrees, on the 22d; lowest, 1 degree, on the 27th. Monthly precipitation, (including melted snow), was 2.66 inches, or 0.80 inches below a seasonable average, and fell on 11 days. Total snowfall, 5.6 inches. The prevailing wind was from the southwest. Maximum velocity of the wind, 37 miles, from the southwest, on the 22d. Solar halos were observed on the 4th and 7th, and a lunar halo was seen on the 3d. Sunshine, 52 per cent of possible.

February, 1904.—Weather decidedly cold from 1st to 4th, 10th to 12th, and on the 16th and 17th. The mean temperature, 29 degrees, was 7 degrees below normal. Maximum temperature during the month was 67 degrees, on the 29th; lowest, zero, on the 16th. The monthly precipitation, including melted snow, was 2.66 inches, being 1.15 inches below a seasonable average. The total snowfall was 1.8 inches. Prevailing direction of the wind, west. Maximum velocity of wind, 36 miles from the west, on the 2d. The first thunderstorm of the year occurred on the 7th. Solar halos were observed on the 3d and 9th. Sunshine, 54 per cent of possible.

March, 1904.—Month unusually stormy and disagreeable. The mean temperature, 44.2 degrees, was 2.2 degrees above normal. Greatest daily range of temperature, 47 degrees, on the 3d; least, 5 degrees, on the 27th. The rainfall, 8.17 inches, was 4.87 inches in excess of the normal. The greatest amount of precipitation in 24 consecutive hours was 2.82 inches, on the 25th and 26th, falling in 12 hours and 46 minutes, 1 inch of which fell in 56 minutes, on the 25th. The prevailing wind was from the southeast. Maximum velocity of wind during the month, 32 miles from the west, on the 3d. Thunderstorms occurred on the 2d, 3d, 22d, 25th, 26th and 31st. Solar halos observed on 1st, 2d, 5th, 19th, 20th, 22d, 25th and 31st, and lunar halos on the 1st and 24th. Sunshine, 41 per cent of possible.

April, 1904.—Month cold and showery—rain falling on 20 days. The mean temperature, 48.2 degrees, was 6.4 degrees below normal. Greatest daily range of temperature, 30 degrees, on the 5th; least, 7 degrees, on the 27th. The rainfall, 2.28 inches, was 0.92 inches below a seasonable amount. Thunderstorm occurred on the 25th. High winds occurred on the 1st, 2d, 8th, 9th, 11th, 15th and 25th; maximum velocity, 31 miles, from the west, on the 25th. The last killing frost of spring occurred on the 20th. Sunshine, 47 per cent of possible.

May, 1904.—The mean temperature, 64.1 degrees, was 0.7 degrees in excess of normal. Greatest daily range of temperature, 29 degrees, on the 12th; least, 5 degrees, on the 18th. Highest temperature during month, 90 degrees, on the 25th; lowest, 41 degrees, on the 16th. The rainfall for the month, up to the 29th, was comparatively light, but on the 30th and 31st 2.40 inches fell, making a total of 3.70 inches for the month, which was 0.29 inches in excess of a seasonable average. Thunderstorms occurred on the 2d, 3d, 23d, 24th, 25th, 29th and 30th. A lunar halo was observed on the 23d. High winds prevailed on the 9th and 10th. Prevailing wind, southeast. Maximum velocity of the wind, 26 miles per hour, from the west, on the 9th. Sunshine, 60 per cent of possible.

June, 1904.—Month cool and showery, rain falling on 18 days. The mean temperature, 72.3 degrees, was 1.5 degrees below the normal. Greatest daily range of temperature, 25 degrees, on the 3d; least, 8 degrees, on the 16th. Highest temperature during month was 92 degrees, on the 24th; lowest, 54 degrees, on the 1st. The rainfall, 2.60 inches, was 1.80 inches below normal. Thunderstorms occurred on the 10th, 14th, 15th, 19th, 20th, 21st, 24th, 28th, 29th and 30th. A solar halo was observed on the 23d and a lunar halo on the 24th. High winds occurred on the 24th, 29th and 30th. Maximum velocity of wind during the month was 34 miles per hour, from the west, on the 24th. Sunshine, 69 per cent of possible.

July, 1904.—Month cool and unusually dry. The mean temperature, 75.5 degrees, was 4.5 degrees below the normal. Highest temperature during month was 94 degrees, on the 17th; lowest, 53 degrees, on the 2d. Greatest daily range was 28 degrees, on the 30th; least, 10 degrees, on the 9th. The rainfall, 0.80 inches, was 2.58 inches below normal. Thunderstorms occurred on the 4th, 5th, 8th, 17th, 19th and 21st. Maximum velocity of wind during the month was 22 miles per hour, from the west, on the 8th. Prevailing direction of wind, southwest. Sunshine, 78 per cent of possible.

August, 1904.—With one exception, 1889, when 0.26 inches of rain fell, this has been the driest August since the establishment of the station in 1870, the total rainfall being 0.41 inches, or 3.31 inches below a seasonable average; practically, no rain fell from July 29 until August 18th. The mean temperature, 75 degrees, was normal. Highest temperature during month was 94 degrees, on the 25th; lowest, 56 degrees, on the 27th. Greatest daily range of temperature, 32 degrees, on the 24th; least, 9 degrees, on the 20th. Thunderstorms occurred on the 10th, 21st and 25th. Maximum velocity of the wind was 26 miles per hour, from the west, on the 25th. Sunshine, 72 per cent of possible.

September, 1904.—The mean temperature, 69.9 degrees, was 1.8 degrees in excess of the normal. The greatest daily range of temperature was 32 degrees, on the 11th; least, 9 degrees, on the 25th. Highest temperature during the month was 93 degrees, on the 11th; lowest, 46 degrees, on the 16th. The rainfall, 1.28 inches, was 1.14 inches below a seasonable average. Thunderstorms occurred on the 7th and 18th. The first light frost of the season was observed on the 15th. Maximum velocity of the wind recorded was 24 miles per hour, from the southwest, on the 29th. Sunshine, 62 per cent of possible.

October, 1904.—Month dry and pleasant. The monthly mean temperature, 56.7 degrees, was 0.3 degrees above normal. Greatest daily range of temperature was 34 degrees, on the 19th; least, 8 degrees, on the 22d. Highest temperature during month was 85 degrees, on the 10th; lowest, 32 degrees, on the 28th. The rainfall, 0.89 inches, was 1.55 inches below a seasonable average. Thunderstorms occurred on the 10th and 21st. A solar halo was observed on the 4th, and a lunar halo on the 19th. The first killing frost of the season occurred on the 26th. Maximum velocity of the wind during the month was 31 miles an hour, from the west, on the 21st. The first snow of the season fell on the 18th. Sunshine, 71 per cent of possible.

November, 1904.—Month unusually dry. The mean temperature, 44.4 degrees, was 0.5 degrees below the normal. Greatest daily range of temperature was 33 degrees, on the 23d; least, 9 degrees, on the 27th. Highest temperature during month was 68 degrees, on the 3d; lowest, 24 degrees, on the 27th. The rainfall, 0.34 of inch, was 2.96 inches below normal. The only appreciable rainfall occurred on the 9th and 10th, but traces of rain fell on the 11th and 13th. Total snowfall for the month, trace. Solar halos were observed on the 3d and 17th, and a lunar halo on the 17th. Maximum velocity of the wind was 24 miles per hour, from the northwest, on the 18th. Sunshine, 60 per cent of possible.

December, 1904.—Month cold and stormy. The mean temperature, 32.4 degrees, was 4.2 degrees below normal. Greatest daily range of temperature, 41 degrees, on the 27th; least daily range, 6 degrees, on the 3d. Highest temperature during month was 63 degrees, on the 27th; lowest, 8 degrees, on the 14th. The rainfall, 3.75 inches, of which 2.17 inches fell on the 26th and 27th, was 0.60 of an inch above the normal. The total snowfall for the month was 7.2 inches. High winds occurred on the 20th, 27th and 28th. Maximum velocity of wind recorded was 37 miles per hour, from the south, on the 27th. A thunderstorm occurred on the 25th, and a solar halo was observed on the 5th. Sunshine, 46 per cent of possible.

POPULATION OF STATES AND TERRITORIES.

Comparative Population of the United States, according to each Census from 1860 to 1900.

STATES AND TERRITORIES.	1900	1890	1880	1870	1860
The United States.....	76,808,387	62,622,250	50,155,783	38,558,371	31,443,321
Alabama.....	1,828,697	1,513,017	1,262,506	996,992	964,201
Alaska.....	63,592	.....	.....	.....	.....
Arizona.....	122,981	59,620	40,440	9,658	.....
Arkansas.....	1,311,564	1,128,179	802,525	484,471	435,450
California.....	1,485,053	1,208,180	864,694	560,247	379,994
Colorado.....	589,700	412,198	194,827	89,864	34,277
Connecticut.....	908,420	746,258	622,700	587,454	460,147
Delaware.....	184,785	168,498	146,608	125,015	112,216
District of Columbia.....	278,718	280,892	177,624	181,700	75,080
Florida.....	528,542	391,422	269,498	187,748	140,424
Georgia.....	2,216,331	1,837,358	1,542,180	1,184,109	1,057,286
Hawaii.....	154,001	.....	.....	.....	.....
Idaho.....	161,772	84,385	32,610	14,999	.....
Illinois.....	4,821,550	3,826,351	3,077,871	2,538,991	1,711,951
Indiana.....	2,516,462	2,192,404	1,978,301	1,680,687	1,350,428
Indian Territory.....	392,060	.....	.....	.....	.....
Iowa.....	2,231,553	1,911,896	1,624,615	1,194,020	674,913
Kansas.....	1,470,495	1,427,096	996,096	864,399	107,206
Kentucky.....	2,147,174	1,858,635	1,648,690	1,321,011	1,155,684
Louisiana.....	1,881,625	1,118,587	939,946	726,915	708,002
Maine.....	694,466	661,086	648,936	626,915	628,279
Maryland.....	1,188,044	1,042,390	934,943	780,894	687,049
Massachusetts.....	2,805,346	2,238,943	1,788,065	1,457,851	1,231,066
Michigan.....	2,420,982	2,093,889	1,696,937	1,184,059	749,118
Minnesota.....	1,751,394	1,301,826	780,773	439,706	172,023
Mississippi.....	1,551,270	1,289,600	1,131,597	827,922	791,305
Missouri.....	3,106,665	2,679,184	2,168,380	1,721,255	1,182,012
Montana.....	243,329	132,159	89,159	20,596	.....
Nebraska.....	1,066,300	1,058,910	452,402	122,993	28,841
Nevada.....	42,835	45,761	62,266	42,491	6,857
New Hampshire.....	411,588	376,530	346,991	318,300	326,073
New Jersey.....	1,883,669	1,444,933	1,131,116	906,096	672,086
New Mexico.....	195,310	153,593	119,565	91,874	93,516
New York.....	7,298,894	5,997,853	5,082,871	4,882,759	3,880,785
North Carolina.....	1,893,810	1,617,947	1,399,750	1,071,361	992,622
North Dakota.....	319,146	182,719	135,177	14,181	4,837
South Dakota.....	401,570	328,808	.....	.....	.....
Ohio.....	4,157,545	3,672,316	3,198,062	2,665,260	2,339,511
Oklahoma.....	398,331	61,834	.....	.....	.....
Oregon.....	413,536	313,767	174,768	90,923	52,465
Pennsylvania.....	6,302,115	5,258,014	4,282,891	3,521,951	2,906,215
Rhode Island.....	428,556	345,506	276,531	217,353	174,620
South Carolina.....	1,340,316	1,151,149	995,577	705,606	703,708
Tennessee.....	2,020,616	1,787,518	1,542,359	1,256,520	1,109,801
Texas.....	3,048,710	2,235,523	1,591,749	818,579	604,215
Utah.....	276,749	207,905	143,963	86,786	40,273
Vermont.....	343,641	332,422	332,286	330,551	315,098
Virginia.....	1,854,184	1,655,990	1,512,565	1,225,163	1,596,318
Washington.....	518,103	349,390	75,116	23,955	11,594
West Virginia.....	958,800	762,794	618,457	442,014	.....
Wisconsin.....	2,069,042	1,686,880	1,315,497	1,054,670	775,881
Wyoming.....	92,531	60,705	20,789	9,118	.....

1900—Includes 91,219 persons in the military and naval service of the United States (including civilian employees, etc.) stationed abroad, not credited to any State or Territory.

1890—32,052 persons in Alaska, 180,182 Indians and other persons in Indian Territory, and 145,282 Indians and other persons on Indian reservations, etc., were specially enumerated under the law, but were not included in the general report on population in 1890: Hawaii had a population in 1890 of 89,990, according to the census taken as of December 28, 1890, under the direction of the Hawaiian Government; including these persons, the total population was 63,069,756.

NOTE.—The Territories are Alaska, Arizona, District of Columbia, Hawaii, Indian Territory, New Mexico and Oklahoma.

RULES
FOR THE
REGULATION OF THE DAILY SESSIONS
OF THE
CINCINNATI CHAMBER OF COMMERCE.

IN FORCE JUNE 1, 1905.

RULE 1. The doors of the Exchange Hall shall be opened at 10 o'clock A. M. and closed at 2:30 P. M., city time, except on Sundays, legal holidays, and days on which an adjournment may have been effected, when the Hall will be closed.

RULE 2. The daily sessions of the Association shall be held between 11:30 A. M. and 1:30 o'clock, P. M., city time, except on Saturdays, when the session shall be held between 10 o'clock, A. M., and 12 o'clock, noon.

RULE 3. Visitors who are non-residents of Cincinnati and the adjacent cities, may be admitted to the Exchange Hall after 10 o'clock A. M. when introduced by a member of the Association; but no person shall be admitted more than seven times, within three months, except upon the approval of a member of the Board of Directors for each admission. All persons, so introduced, must consider themselves amenable to the Rules of the Chamber of Commerce, and will not be permitted to transact any business. Any violation of this rule will make the member introducing such party liable to the payment of the sum of twenty-five dollars for each offense. A book shall be kept, in which the names of all visitors, with their places of residence, and the names of the persons introducing them, shall be daily registered, the same to be open to the inspection of members. No person shall be introduced as a visitor who, being in arrears to a member upon any business transaction, refuses to arbitrate and adjust the same before the proper Committees of the Chamber of Commerce.

RULE 4. Pastors of Churches in Cincinnati and adjacent cities, on application of members of their respective congregations who are members of this Association, the Judges of the Courts, the Mayor, the heads of Charitable Institutions, not engaged in business of any kind, and Officers of the U. S. Army and Navy, stationed here, and official representatives of foreign nations located at Cincinnati, in the discretion of the President, and such other distinguished citizens as may be authorized by the Board of Directors, may have issued to them complimentary tickets of admission to the Exchange Hall, good until the close of the calendar year for which they are issued. A complete record of all such tickets shall be kept; but in no case shall persons so admitted be allowed to transact any business, and any violation of this regulation shall be good cause for the withdrawal of such tickets.

RULE 5. The Exchange Hall may be used by auctioneers who are members of the Chamber of Commerce, for the sale of stocks, bonds and other property, upon compliance with and completion of conditions and requirements as follows:

1. An application for privilege for an auction sale must first be addressed and delivered to the Superintendent of the Chamber of Commerce, whereupon the Superintendent shall submit the application to members of the Board of Directors, and the signatures of eight members of the Board will be necessary to authorize such sale, or such sale can be authorized by action of the Board of Directors at any meeting.

2. The time for an auction sale as herein provided for, shall be 1:30 o'clock P. M., and the sale must begin within five minutes of the time announced. When two or more sales for the same date have been authorized they shall take place one after another immediately, and in the order of their application.

3. An application for consent for an auction sale herein provided for, must state explicitly and in detail the character of the securities or other property to be offered. In the case of whisky, the application for the sale must state specifically the number of barrels to be offered, the brand, age and serial or stamp numbers of the packages of each and every lot, and no lot of less than 25 barrels of one brand and age shall be offered.

4. An application for an auction sale herein provided for, which has been duly authorized, must be posted on the Exchange bulletin-board as a notice to persons interested in such proposed sale, and in every case such application or notice must be placed on the bulletin-board by or before 1 o'clock of the day preceding the sale announced.

5. No modifications of the terms of sale or character of the securities or other property, as announced and advertised, shall be allowed, nor shall a larger quantity of securities or other property be sold than advertised; but nothing herein shall be construed to prevent such securities or other described property from being in whole or in part withdrawn.

6. This rule shall apply only to applications for auction sales for the purpose of establishing the value of such property in an open market incident to the adjustment of claims called for under contract or collateral obligations, or for sales to establish value of property by order of court or by other judicial procedure.

7. Sales of property at auction in the Exchange Hall otherwise than herein provided for, shall be prohibited, excepting only such sales as are provided for under the rules for the regulation of the various departments of trade.

RULE 6. The soliciting of money for any object, on the floor of the Exchange, will not be allowed.

RULE 7. Newspapers on the files must not be mutilated under any circumstances.

RULE 8. On the death of a member, notice of the same shall, in all cases, be posted in the Exchange Hall; and at the written request of five members, the President shall appoint a committee to prepare a memorial report upon the deceased member, a copy of which report, when approved by the President, shall be entered upon the records of the Association, posted upon the bulletin-board for five days, and a copy furnished the family or friends of the deceased member. At the written request of twenty-five members, the President shall make public announcement of the death of a member, and such action taken as the Association may direct.

RULE 9. No advertisements of any kind shall be displayed upon the walls of the Exchange Hall or other rooms occupied by the Association.

RULE 10. Sample desks shall be provided in the Exchange Hall, the rental for which shall be \$5 per annum, payable in advance. The choice for such desks shall be sold at auction, at such time after the occupation of the new building as may be named by the Board of Directors, and thereafter at such times as said Board may authorize, after the expiration of three years. All samples of grain and flour must be placed in the drawers after the close of 'Change.

RULE 11. Persons shall not be permitted to congregate in the lobby nor in the approaches to the same.

RULE 12. The throwing of dough, flour, grain, or other missiles will not be permitted in the Exchange Hall.

RULE 13. No person shall appear in his shirt sleeves in the Exchange Hall between the hours of 10 o'clock, A. M., and 2 o'clock, P. M.; provided, that this rule may be suspended from June 15 to September 15, under approval of the Board of Directors.

RULE 14. No member will be permitted to bring a case before the Board of Directors, or any of the Committees, when he is in arrears for membership dues, desk rent, or fees of any kind.

RULE 15. No person who has been denied membership shall be admitted to the courtesies of the rooms of the Association for a period of six months.

SPECIAL RULE A.—Members of the Chamber are entitled to the privilege of inviting by card one person not a member of the Chamber of Commerce, but resident of either Hamilton County, Ohio, Campbell or Kenton Counties, Kentucky, extending the courtesies of the floor for five visits within one month, the person so admitted having no business privileges. Members are allowed more than one ticket per month if desired; the issuance of tickets to be at the discretion of the Superintendent.

SPECIAL RULE B.—Announcements of members may be posted on bulletin-boards in the Exchange Hall, relating to real estate offerings; and also other business announcements of members, subject to the approval and direction of the Superintendent.

RULES AND REGULATIONS
OF THE
CINCINNATI CHAMBER OF COMMERCE
AND
MERCHANTS' EXCHANGE,
FOR THE
GOVERNMENT OF VARIOUS DEPARTMENTS OF TRADE.

IN FORCE MAY 1, 1905.

RULES FOR THE REGULATION OF THE GRAIN TRADE IN CINCINNATI.

RULE I.—'CHANGE HOURS.

SECTION 1, R. 1.—'Change hours under the rules for the regulation of the grain trade of Cincinnati shall be held between 11:30 A. M. to 1:30 o'clock P. M. of each day upon which there is a meeting of the Chamber of Commerce, except Saturday, when the session shall be held between 10 o'clock A. M. and 12 o'clock, noon.

RULE II.—COMMITTEE ON GRAIN INSPECTION.

SECTION 1, R. 2.—*Appointment of.*—The Board of Directors shall annually, in the month of February, appoint a Committee on Grain Inspection, consisting of five (5) members, and all of whom shall be dealers in grain.

SEC. 2, R. 2.—*Duties of Committee.*—It shall be the duty of the Committee on Grain Inspection to hear, consider and determine all disputes, differences and controversies arising between members of the grain trade growing out of contracts made under the rules regulating the grain trade of Cincinnati that may be voluntarily submitted to it, and to discharge all such other duties as may be imposed upon it by the rules and regulations of the Chamber of Commerce of Cincinnati. Also, to similarly consider cases wherein the complainant is a non-member, provided he be represented by a member of the Association, and makes payment to the Association of a sum to be fixed by the committee, which shall not exceed ten dollars.

The Committee on Grain Inspection will meet each business day to pass on appealed inspections. Appeals from Inspector's grading must be made within fifteen (15) minutes after receipt of samples from the Inspector. Should the Inspector fail to deliver samples at the appointed time, then the meeting on day of such delay will be held fifteen (15) minutes after such delayed delivery of samples.

SEC. 3, R. 2.—*Quorum.*—Three members of the Committee on Grain Inspection shall constitute a quorum for the transaction of business.

SEC. 4, R. 2.—*Temporary Vacancies Filled.*—All temporary vacancies in the Committee on Grain Inspection when it has met for the transaction of business may be filled by the quorum of members present, if so requested, by both parties, or shall be filled by the President of the Chamber of Commerce, if either of said parties litigating request it, before the case is stated. Such temporary appointees shall sit on said committee only during the absence or other inability of the committeemen to be present and serve. Said temporary appointees shall not retire from said committee during a trial or the hearing of any matter then before it—although the regular committeemen shall appear and be ready to serve—and that all such vacancies shall be filled by selection of members representing the same business as the absent members of the committee.

SEC. 5, R. 2.—*How Controversies Submitted to the Committee.*—Any party who desires to submit any controversy under the rules regulating the grain trade of Cincinnati to the Committee on Grain Inspection for determination, shall file with the said committee a written statement of his claim, which statement must contain—

1. The name of the firm or parties making the complaint, and who shall be known as the "complainants;"

2. The name of the firm or parties against whom the complaint is made, and who shall be known as the "respondents;"

3. A statement of the facts constituting the cause of complaint in ordinary and concise language;

4. A demand of the relief to which the party supposes himself entitled.

This written statement shall be known as the "petition," and no other written statement shall be required to be filed by either complainant or respondent.

SEC. 6, R. 2.—*Notice of Time of Hearing.*—Upon said petition named in Section 5 of this rule being filed, it shall be the duty of said committee to give notice to complainants and respondents of the time and place set for the hearing of said case. Such notice shall give the names of the parties, complainant and respondent.

SEC. 7, R. 2.—*Adjournments.*—The committee may, at its discretion, adjourn the time for the hearing of any case, and, after the hearing has commenced, may adjourn from time to time the further hearing thereof to such time as it may deem best.

SEC. 8, R. 2.—*Trial.*—On the trial of any case before said committee, the complainant, or any one of them, if more than one, shall first state his case fully and the evidence by which he proposes to sustain his case, giving the names of the witnesses and what he believes each witness will testify to. The respondent, or any one of them, if more than one, shall then state his answer fully, and what he claims in the transaction, and the evidence by which he proposes to sustain his side of the case, giving the names of the witnesses and what he believes each witness will testify to. The decision of a majority of the committee present and trying the case shall be held as valid and binding and shall be entered of record in the records of said committee.

SEC. 9, R. 2.—*Notice of Decision.*—Written notice of any final decision rendered by said committee shall be given to the parties, complainant and respondent, as soon as possible after rendering the same.

SEC. 10, R. 2.—*Appeal and Notice Thereof.*—Any party to the controversy who may feel aggrieved by the final decision of the Committee on Grain Inspection may appeal the case to the Committee of Arbitration within three days after the delivery of the decision. Notice of said appeal must be made to the Superintendent in writing by the party appealing.

SEC. 11, R. 2.—*Record.*—The Committee on Grain Inspection shall keep a record of its proceedings, and shall leave the same with the Superintendent of the Chamber of Commerce. Said record may be inspected by any member upon application to the said Superintendent.

RULE III.—INSPECTOR OF GRAIN.

SECTION 1, R. 3.—*Appointment and Duties.*—The Board of Directors shall annually, on the second Tuesday in February, or in case of failure to appoint at that time, at any meeting thereafter, appoint a suitable and competent person as Inspector of Grain.

SEC. 2, R. 3.—*Duties of Inspector.*—It shall be the duty of the Inspector to inspect, sample, and grade, according to the classification which may be adopted, from time to time, by the Chamber of Commerce, all grain received in this city, in bulk, except grain in transitu, and also except consignments to parties who, on application to the Inspector, may direct him not to inspect their bulk grain without special instructions; and to inspect any other grain when called on to do so by the consignee or purchaser; also, all grain sent by transportation lines, to be stored in elevators or public warehouses, without the consent or knowledge of the consignees. He shall also furnish samples, with grading and car numbers, to consignees, when desired. Inspection to be at the expense of the receiver or consignee.

SEC. 3, R. 3.—*Access to Grain Inspected.*—The Inspector shall have free access to all grain that has been inspected by him, stored in any warehouse or elevator; and when such grain is to be removed from such warehouse or elevator shall, when called upon so to do by any party interested, reinspect the same.

SEC. 4, R. 3.—*Certificate of Inspection.*—A certificate of inspection shall be furnished when required by the party ordering the inspection.

SEC. 5, R. 3.—*Inspection of Grain Sold by Sample or Grade.*—Upon any difference of opinion between buyer and seller, when grain has been sold by sample, or grade, the Inspector may be called upon to determine the same in manner provided for by Section 4 of Rule VI.

SEC. 6, R. 3.—*When Not to Inspect Grain.*—The Grain Inspector shall not inspect grain at any elevator or warehouse, or for any party, unless the proprietor or manager of such elevator or warehouse, or other party desiring his services, shall conform to the rules in reference to inspections established by the Chamber of Commerce.

SEC. 7, R. 3.—*Inspector Not to Trade, etc.*—The Grain Inspector shall not be allowed to trade in any article of which he is the Inspector.

SEC. 8, R. 3.—*Fees of Inspector.*—The fees of the Inspector shall be as follows:

Forty (40) cents per car, or lot not exceeding 400 sacks, and fifty (50) cents per midship of canal boats, to all who shall give orders to inspect all their consignments of bulk grain.

The Inspector shall be privileged to charge one (\$1 00) dollar per car and one (\$1 00) dollar per midship to those for whom he does not uniformly inspect bulk grain.

For Mill Feed, the fee shall be forty (40) cents per carload, or lot not exceeding 400 sacks.

SEC. 9, R. 3.—*Grading of Grain.*—All grain inspected will be graded by the lowest grade found.

SEC. 10, R. 3.—*Inspection at Request of Buyer or Seller.*—The buyer or seller shall have the right to call the Inspector to inspect grain purchased or sold—under the rules regulating the grain trade of Cincinnati—and when so called upon, it shall be the duty of the Inspector to make said inspection as soon as practicable.

SEC. 11, R. 3.—*Where Inspection to be Made.*—All inspections of grain by the Inspector shall be made at the place of delivery, unless otherwise agreed upon by the parties.

SEC. 12, R. 3.—*Controversies Referred to Grain Inspector.*—All controversies between the buyer or seller, or interested parties, as to the grade of grain purchased, sold, tendered, or delivered, under the rules regulating the grain trade of Cincinnati, shall, at the option of either party, be referred to the Grain Inspector, who shall inspect or reinspect the grain and determine the controversy, and his decision shall be valid and binding upon the parties. If the original inspection be sustained the expense of such re-inspection shall be paid by the buyer, unless otherwise agreed upon. If the grain be not up to grade, the expense of such re-inspection shall be paid by the seller or party delivering or tendering the grain, unless otherwise agreed upon.

SEC. 13, R. 3.—*Appeals.*—Any party thinking himself aggrieved by any decision of the Inspector, may appeal to the Committee on Grain Inspection, who shall hear and determine the case—but such appeal shall be perfected within twenty-four hours from the date of the decision of the Grain Inspector.

SEC. 14, R. 3.—Members shall not be permitted to enter the Grain Inspector's office, except the Grain Inspection Committee in its official capacity.

RULE IV.—CLASSIFICATION OF GRAIN.

SECTION 1, R. 4.—WINTER WHEAT.

NO. 1 WHITE.—Shall be pure white, bright, sound, reasonably plump, free from smut and other grain, and well cleaned, and shall weigh not less than sixty (60) pounds to the measured bushel.

NO. 2 WHITE.—Shall be white, sound and reasonably clean, and shall not weigh less than fifty-eight (58) pounds to the measured bushel.

NO. 1 RED.—Shall be red and amber, sound, reasonably plump, well cleaned, and free from smut or other grain, and shall weigh not less than sixty (60) pounds to the measured bushel.

NO. 2 RED.—Shall be red and amber, and may contain not over ten (10) per cent of white wheat; shall be sound and reasonably clean, and shall weigh not less than fifty-eight (58) pounds to the measured bushel.

NO. 3 RED.—Shall include all sound wheat of any color not fit for higher grades, and not so much damaged from any cause as to be unfit for flouring, and shall weigh not less than fifty-five (55) pounds to the measured bushel.

NO. 4 RED.—Shall be sound but not good enough to grade No. 3, and shall test not less than fifty-three (53) pounds to the measured bushel.

MIXED WINTER.—White and red wheat mixed, shall be graded Nos. 1, 2, 3 and 4, corresponding with such grades of white and red wheat.

NO ESTABLISHED GRADE.—Wheat of any color, that may be unsound, or badly mixed with foreign grains, or on the verge of heating, or from any cause unfit for No. 4.

SECTION 2, R. 4.—SPRING WHEAT.

No. 1 NORTHERN SPRING.—Shall be northern-grown spring wheat, sound and reasonably clean and of good milling quality, and must contain not less than 50 per cent of the hard varieties of spring wheat.

No. 2 NORTHERN SPRING.—Shall be northern-grown spring wheat, not clean enough or sound enough for No. 1, and must contain not less than 50 per cent of the varieties of spring wheat.

No. 1 SPRING.—Shall be sound, plump, and well cleaned.

No. 2 SPRING.—Shall be sound, reasonably clean, and of good milling quality.

No. 3 SPRING.—Shall include all inferior, shrunken or dirty spring wheat, weighing not less than fifty-three (53) pounds to the measured bushel.

No. 4 SPRING.—Shall include spring wheat damp, musty, grown, badly bleached, or for any cause unfit for No. 3.

WHITE SPRING.—The grades of Nos. 1, 2, 3 and 4 white spring wheat shall correspond with the grades of Nos. 1, 2, 3 and 4 spring wheat, except that they shall be of the white variety, or shall contain five per cent or more of such white wheat.

FROSTED WHEAT.—Shall in no case be graded higher than No. 4, except that the grade of No. 3 may contain as much of said frosted wheat as it is customary to allow of wheat damaged in any other way.

SECTION 3, R. 4.—CORN.

No. 1 WHITE.—Shall be pure white, sound, dry, plump, and well cleaned.

No. 2 WHITE.—Shall be white, sound, dry, and reasonably clean, but may contain three per cent damaged or two per cent colored grains.

No. 3 WHITE.—Shall be white, reasonably clean, and may be slightly damp, and may contain five per cent damaged and four per cent colored grains.

No. 4 WHITE.—Shall include all white corn better than n. e. g., but which from any cause is below the grade of No. 3 White.

No. 1 YELLOW.—Shall be pure yellow, sound, dry, plump, and well cleaned.

No. 2 YELLOW.—Shall be yellow, sound, dry, and reasonably clean, but may contain three per cent damaged or two per cent white or colored grains, other than yellow.

No. 3 YELLOW.—Shall be yellow, sound, reasonably clean, may be slightly damp, and may contain five per cent damaged and four per cent white or colored grains, other than yellow.

No. 4 YELLOW.—Shall include all yellow corn better than n. e. g., but which from any cause is below the grade of No. 3 Yellow.

No. 1 MIXED.—Shall be mixed, sound, dry, plump, and well cleaned.

No. 2 MIXED.—Shall be mixed, sound, dry, and reasonably clean, but may contain three per cent damaged grains.

No. 3 MIXED.—Shall be mixed, reasonably clean, and may be slightly damp, and may contain five per cent damaged grains.

No. 4 MIXED.—Shall include all mixed corn better than n. e. g., but which from any cause is below the grade of No. 3 Mixed.

EAR CORN.—The Inspector shall furnish the best average sample he can draw, not less than six ears, which shall represent the entire lot.

N. E. G. CORN.—Corn badly mixed with foreign grains, or unsound, or excessively damp, or on the verge of heating, or which for any cause is unfit for No. 4.

HOT CORN.—Hot corn shall not be graded.

SECTION 4, R. 4.—OATS.

No. 1 WHITE.—Shall be pure white, sound, bright, free from other grain, and well cleaned, and weigh not less thirty-two (32) pounds to the measured bushel.

No. 2 WHITE.—Shall be not less than ninety-five per cent white, sound, and reasonably clean, may contain an occasional foreign grain, and weigh not less than twenty-eight (28) pounds to the measured bushel.

No. 3 WHITE.—Shall be not less than ninety-five per cent white, sound, and slightly stained or mixed with other grain, reasonably clean, and for any cause unfit for No. 2.

No. 4 WHITE.—Shall include all white oats better than n. e. g., but which from any cause are below the grade of No. 3 White.

No. 1 MIXED.—Shall be sound, bright, free from other grain, and well cleaned, and weigh not less than thirty-two (32) pounds to the measured bushel.

No. 2 MIXED.—Shall be sound, reasonably clean, and reasonably free from other grain, and weigh not less than twenty-eight (28) pounds to the measured bushel.

No. 3 MIXED.—Shall be sound, too light, too much stained or mixed with other grain for No. 2.

No. 4 MIXED.—Shall include all mixed oats better than n. e. g., but which from any cause are below the grade of No. 3 Mixed.

N. E. G. OATS.—Oats badly mixed with foreign grains, or unsound, or excessively damp, or on the verge of heating, or which for any cause are unfit for No. 4.

HOT OATS.—Hot oats shall not be graded.

SECTION 5, R. 4.—RYE.

No. 1.—Shall be sound, plump, and well cleaned.

No. 2.—Shall be sound, reasonably clean, and not too much mixed with other grain, and shall weigh fifty-five (55) pounds to the measured bushel.

No. 3.—Shall include all sound, inferior, shrunken, dirty, or slightly damp rye, not so much damaged, from any cause, as to be unfit for milling or distilling purposes.

No. 4.—Shall include all rye which is damp, musty, dirty, or for any other cause unfit for No. 3, but which is better than n. e. g.

N. E. G. RYE.—Rye badly mixed with foreign grains, or unsound, or excessively damp, or on the verge of heating, or which for any cause is unfit for No. 4.

HOT RYE.—Hot rye shall not be graded.

SECTION 6, R. 4.—WINTER BARLEY.

No. 1 WINTER.—Shall be sound, plump, clean, bright, and free from other grain.

No. 2 WINTER.—Shall be sound and reasonably clean, but not bright or plump enough for No. 1 (may be slightly broken), and reasonably free from other grain, and shall weigh not less than forty-eight (48) pounds to the measured bushel.

No. 3 WINTER.—Shall include shrunken or otherwise slightly damaged barley; may be slightly mixed with other grain, but not unfit for malting, and shall weigh not less than forty-four (44) pounds to the measured bushel.

EXTRA No. 3 WINTER.—Shall be sound, and may be somewhat stained, but otherwise, except as to weight, equal to No. 2, and shall weigh not less than forty-six (46) pounds to the measured bushel.

No. 4 WINTER.—Shall include all winter barley, unsound, or below the standard of No. 3 in other respects, but which is better than n. e. g.

N. E. G. WINTER.—Barley badly mixed with foreign grains, or unsound, or excessively damp, or on the verge of heating, or which for any cause is unfit for No. 4.

HOT BARLEY.—Hot barley shall not be graded.

SECTION 7, R. 4.—SPRING BARLEY.

No. 1 SPRING.—Shall be same as No. 1 Winter.

No. 2 SPRING.—Shall be same as No. 2 Winter.

No. 3 SPRING.—Shall be same as No. 3 Winter.

EXTRA No. 3 SPRING.—Shall be same as Extra No. 3 Winter.

No. 4 SPRING.—Shall include all spring barley, unsound, or below the above standard in other respects, but which is better than n. e. g.

N. E. G. SPRING.—Shall be same as N. E. G. Winter.

HOT BARLEY.—Hot barley shall not be graded.

RULE V.—DELIVERIES.

SECTION 1, R. 5.—*Manner of, Delivery of, and Payment for Grain Sold in Elevator.*—The delivery of grain sold in elevator shall be made by the tender of regular elevator receipts, which shall have three (3) full days' free storage at the time of such tender. Upon such tender being made the contract price of grain thus sold shall be due and payable.

SEC. 2, R. 5.—*Regular Elevator Receipts.*—A regular elevator receipt called for in Section 1 of Rule VI shall be for grain in elevator, in Cincinnati, connected by railroad tracks, and to and from which, said railroad tracks and said elevator, grain can be directly handled—said elevator to be managed by either a corporation, firm, or individual, for the purpose of carrying on the business of receiving, storing, delivering, and forwarding grain of all kinds. Said corporation, firm, or individual may, in connection therewith, do the business of general storage, warehousemen, and

forwarders of all kinds of produce or merchandise—but shall not on his own account, nor for others, deal as buyers or sellers. *Provided, however,* that before such elevator receipt shall be deliverable on contract the following conditions must be done and had: First, the parties managing such elevator shall have filed with the Board of Directors of the Chamber of Commerce a statement, showing that the said elevator has complied with this Section 2 of Rule V; and second, the Board of Directors shall have declared by resolution the said elevator regular.

SEC. 3, R. 5.—*Manner of Delivery and Payment for Grain Sold on Track.*—The delivery of grain sold on track shall be made by the tender of a written order for the property on some standard gauge railroad company entering and having an office in Cincinnati, properly accepted by such railroad company, together with the certificate of the Grain Inspector. Upon such tender being made, the seller shall have the right to demand of the buyer eighty (80) per cent of the contract price upon the basis of the weight of each car as shown by the shipper's advice, and the buyer shall have five (5) days' time in which to furnish seller weights and pay the balance of the contract price. In case weights are not furnished within the said five days, excepting for unavoidable causes for which the buyer is not responsible, the seller shall have the right to settlement at shipper's weights, when properly certified to and duly tendered.

SEC. 4, R. 5.—*Form of Acceptance by the Railroad Company.*—The acceptance by the railroad company called for in Section 3 of Rule VI shall be in the following form, to wit:

CINCINNATI, OHIO, _____, 19—.

The _____ railroad company hereby certifies that the grain covered by the within order has arrived and is now ready for delivery.

(Signed.)

_____ Railroad Company.

By _____, Agent.

SEC. 5, R. 5.—*Penalty for Giving More than One Order for Same Property.*—Any member who shall give more than one order called for under Section 3 of Rule V for the same lot of grain, and shall receive advances thereon, shall, on conviction thereof, be expelled from the Chamber of Commerce.

SEC. 6, R. 5.—*No Delivery on Sunday, etc.*—When a contract shall mature on Sunday, a legal holiday, or on a day on which there is no meeting of the Chamber, delivery on such contract shall be made on the preceding business day. No property shall be tendered on any day upon which there is no meeting of the Chamber of Commerce.

SEC. 7, R. 5.—*Place of Delivery.*—In all sales of property under the rules regulating the grain trade of Cincinnati, when not otherwise provided for by the terms of the contract, all deliveries and tenders of delivery of property shall be made on 'Change. In case the buyer has no usual place of business in Cincinnati, then the delivery or tender of delivery to the Superintendent of the Chamber of Commerce of Cincinnati shall be held to be a good, valid and sufficient delivery of such property. *Provided, however,* that all deliveries or tenders of delivery of property made or to be made on the last business day of each month shall be made on the floor of the Chamber of Commerce, during 'Change hours, anything in these rules to the contrary notwithstanding. And it shall be the duty of all members having unfilled contracts to be present on said floor in the Chamber of Commerce, either in person or by agent, or by some other authorized party, during 'Change hours, to receive such property when properly tendered.

SEC. 8, R. 5.—*Failure to Deliver at Maturity of Contract.*—In case any property contracted for, to arrive, is not delivered at maturity of contract, the purchaser may, at his option: (1,) consider the contract forfeited; or (2,) after notice to the seller of his intention, he may purchase the property in the open market on 'Change the same or next business day for account of the seller, notifying him at once of such purchase; or (3,) he may require a settlement with the seller at the market price on the day of maturity of the contract. And in case the parties can not agree upon the said market price within three (3) days after the maturity of the contract, then the matter may be referred by either party to the Committee on Grain Inspection for determination.

SEC. 9, R. 5.—*Failure to Receive and Pay for Property when Tendered.*—In case any property contracted for is not received and paid for when properly tendered, it shall be the duty of the seller, in order to establish any claim on the purchaser, to sell it at auction during 'Change hours of the same or next business day following after such default shall have been made, notifying the purchaser of his intention on the same day of such sale; and any loss resulting to the seller shall be paid by the party in default.

SEC. 10, R. 5.—*Value of Property, how Determined.*—In determining the value of property, its value in other markets, or for manufacturing or consumptive purposes in this market, together with such other facts as may justly enter into the determination of its value, shall be considered, irrespective

of any fictitious price it may at the time be selling for in this market, but nothing shall be construed as authorizing unjust or unreasonable claims based upon manipulated or fictitious markets. Such values, in case of disagreement between the parties, shall, at the option of either party, be referred to the Committee on Grain Inspection for determination.

SEC. 11, R. 5.—*Tender of Higher Grades of Grain.*—On contracts for grain for future delivery, the tender of a higher grade of the same kind of grain than the one contracted for shall be deemed sufficient, provided the higher grade of grain tendered shall not be of a color or quality that will depreciate the value of the other, if mixed.

SEC. 12, R. 5.—*Tender of Grain of Equal Grade by Elevator Companies.*—Elevator companies must deliver grain equal to the standard of the grade called for by the elevator receipt.

RULE VI.—SALES BY SAMPLE OR GRADE.

SECTION 1, R. 6.—*Not Up to Sample.*—If grain sold by sample should prove not up to sample, the purchaser may demand, within twenty-four hours after notice to the seller, the amount of grain purchased up to sample, or payment of such difference in value as may be established, unless otherwise agreed upon at the time of sale.

SEC. 2, R. 6.—*Sold to Arrive and Not Up to Sample.*—In case grain is sold to arrive, and upon its arrival shall prove not up to sample or grade in which the same has been sold, then the seller shall have twenty-four hours in which to furnish the amount of grain sold up to sample or grade, unless otherwise agreed upon at the time of purchase.

SEC. 3, R. 6.—*When and Where Examined—Accepted or Rejected.*—All grain sold by sample or grade, shall be examined by the purchaser or Inspector at the place of delivery, and shall be accepted or rejected within twenty-four (24) hours from the time the order and sample are given for the same, excepting that when the car arrives at place of unloading, provided same is within jurisdiction of the Inspector, and is found by the Inspector to be grain of different character from original inspection, in which case the difference in value shall be determined as provided for in Section 1 of Rule X.

SEC. 4, R. 6.—*Inspector to Decide.*—Upon any difference of opinion between buyer and seller, when grain has been sold by sample or grade, the Inspector may be called upon to decide the case by comparison, and in such case the sample may be required by either buyer or seller to be, in the presence of both buyer and seller, furnished the Inspector, who shall inspect it as soon as practicable after the request shall have been made. If not up to sample, or grade, the expense of such inspection shall be paid by the seller, unless otherwise agreed upon.

RULE VII.—TERMS OF SALE.

SECTION 1, R. 7.—All purchases of grain made, unless otherwise agreed upon, are understood to be for cash, and to be paid for on delivery.

RULE VIII.—CAR LOAD.

SECTION 1, R. 8.—In sales of car lots of grain to arrive, or loaded from an elevator or warehouse, a carload of wheat shall be 1,000 bushels, shelled corn 1,000 bushels, ear corn 700 bushels, oats 1,500 bushels, rye 1,000 bushels, barley 1,000 bushels, and any excess or deficiency to be settled at the market ruling on the day of delivery, unless otherwise stated.

RULE IX.—TIME, HOW COMPUTED.

SECTION 1, R. 9.—*How Time Computed.*—Unless otherwise specially provided, the time within which an act is required by the rules regulating the grain trade of Cincinnati to be done shall be computed by excluding the first day and including the last, and if the last be Sunday, it shall be excluded.

SEC. 2, R. 9.—*Time of Shipment.*—The term "immediate shipment" shall mean that shipment shall be made within three business days from the date when shipping directions have been received by the seller. The term "quick shipment" shall mean that shipment shall be made within five business days from the date when shipping instructions have been received by the seller. The term "prompt shipment" shall mean that shipment shall be made within ten business days from the date when shipping directions have been received by the seller. When no time is mentioned, it is understood that sales are made for "prompt shipment."

SEC. 3, R. 9.—*Time for Shipping Directions.*—The buyer shall, unless otherwise specified at the time of sale, be allowed two business days within which to furnish shipping directions on sales for

prompt or deferred shipment only, and shall be obliged to furnish the same any time after two days when called upon by seller or shipper. On failure on the part of the buyer to furnish directions on demand, after the time allowed, the seller shall have the right and privilege to ship the goods to the known address of the buyer, or to cancel the contract outright, as the seller may elect, twenty-four hours notice having been given by the seller of such intention.

SEC. 4, R. 9.—*Failure to Ship within Contract Time.*—In the case of failure on the part of the seller to ship goods within contract time after receipt of shipping directions, the buyer shall have the right either to cancel the contract outright or to purchase goods covered by the contract for account of the seller, or extend contract for a specified number of days, as the buyer may elect.

RULE X.—DISPUTES REFERRED TO THE COMMITTEE ON GRAIN INSPECTION.

SECTION 1, R. 10.—All matters of dispute, difference, or controversy between members growing out of contracts under the rules regulating the grain trade of Cincinnati not otherwise specially provided for, which the parties do not settle, may be referred to the Committee on Grain Inspection, and said committee shall hear and determine the matter, and the decision of said committee shall be valid and binding.

SEC. 2, R. 10.—*Effect of Offer to Submit Dispute to Grain Committee.*—In case of any disagreement arising from any action taken under these rules, the expressed willingness of either party to the controversy to submit the pending question of difference to the Committee on Grain Inspection or of Arbitration for determination shall be accepted and construed by the Board of Directors as evidence on the part of such member of his readiness to adjust and settle his said disputed obligation, and he shall not, therefore, be subject to discipline for such matter pending such proffered submission, if he shall abide by the same in good faith, and, in case of an award promptly perform such award.

RULE XI.—NOTICES, SERVICE OF.

SECTION 1, R. 11.—*Service of Notices.*—Unless otherwise specially provided, all notices for the call of margin for the maintenance or closing of contracts, and all notices, for any and all other purposes required to be given by the rules regulating the grain trade of Cincinnati, may be served personally on the party to be notified, or upon his authorized representative, or upon any clerk representing the party on 'Change, or by leaving written notice at the party's usual place of business in Cincinnati; and, in case the party to be notified shall not be known to have a usual place of business in Cincinnati, a written notice left in the office of the Superintendent of the Chamber of Commerce shall be deemed sufficient.

RULE XII.—ELEVATOR CHARGES.

SECTION 1, R. 12.—*Elevator Charges.*—The following elevator charges are recognized by the Cincinnati Chamber of Commerce, as in force January 1, 1905: On all grain, two-thirds ($\frac{2}{3}$) of one cent per bushel for the first five days, or part thereof, and one-third ($\frac{1}{3}$) of one cent for the next ten days or part thereof, and one-sixth ($\frac{1}{6}$) of one cent for each subsequent ten days or part thereof. Extra charges for delivery in sacks.

RULE XIII.—ELEVATOR REPORTS.

SECTION 1, R. 13.—*To Furnish Weekly Reports to the Superintendent.*—The managers of regular elevators shall honestly and faithfully furnish to the Superintendent of the Chamber of Commerce all needed information to enable him to keep a correct record and account of all grain, together with the grade thereof, received and delivered by them weekly, and of that remaining in store at close of each week. And it shall be the duty of the Superintendent of the Chamber of Commerce to aggregate such records and to post them in a public place in the Chamber of Commerce, on the first business day of each week.

SEC. 2, R. 13.—*To Publish Damage to Grain Held in Store.*—Managers of such elevators shall promptly, by proper publication, advise the trade and the public of any damage to grain held in store by them, whenever such damage shall occur to any extent, that will render them unwilling to purchase and withdraw from store, at their own cost, all such damaged grain.

SEC. 3, R. 13.—*Important Changes in Condition of Elevator, or Disregard or Evasion of Requirements.*—Any important change in the condition of any elevator, or disregard or evasion of the above requirements, shall at any time be a sufficient cause for the Board of Directors to declare such elevator no longer regular within the meaning of the Rules of the Chamber of Commerce.

RULES FOR THE GOVERNMENT OF THE HAY TRADE.

The Board of Directors of the Cincinnati Chamber of Commerce, have adopted rules for the regulation of the Hay trade, as follows:

*CLASSIFICATION OF HAY.

CHOICE TIMOTHY.—Shall be Timothy not mixed with over one-twentieth other grasses, properly cured, bright natural color, sound and well baled.

No. 1 TIMOTHY.—Shall be Timothy not more than one-eighth mixed with Clover or tame grasses, properly cured, good color, sound and well baled.

No. 2 TIMOTHY.—Shall be Timothy not good enough for No. 1, not over one-fourth mixed with Clover or other tame grasses, fair color, sound and well baled.

No. 3 TIMOTHY.—Shall include all Hay not good enough for other grades, sound and well baled.

No. 1 CLOVER, MIXED.—Shall be Timothy and Clover mixed, with at least one-half Timothy, good color, sound and well baled.

No. 2 CLOVER, MIXED.—Shall be Timothy and Clover mixed, with at least one-third Timothy, reasonably sound and well baled.

No. 1 CLOVER.—Shall be medium Clover, not over one-twentieth other grasses, properly cured, sound and well baled.

No. 2 CLOVER.—Shall be Clover, sound, well baled, not good enough for No. 1.

No GRADE.—Shall include all Hay badly cured, musty, stained, thrashed, or in any way unsound.

CHOICE PRAIRIE.—Shall be Upland, of bright color, well cured, sweet, sound and may contain 3 per cent weeds.

No. 1 PRAIRIE.—Shall be Upland, and may contain one-quarter Midland, both of good color, well cured, sweet, sound and may contain 8 per cent of weeds.

No. 2 PRAIRIE.—Shall be Upland, of fair color, and may contain one-half of Midland, both of good color, well cured, sweet, sound and may contain 12½ per cent weeds.

No. 3 PRAIRIE.—Shall include Hay not good enough for other grades, and not caked.

No. 1 MIDLAND.—Shall be Midland of good color, well cured, sweet, sound, and may contain 3 per cent weeds.

No. 2 MIDLAND.—Shall be fair color, or Slough Hay of good color, and may contain 12½ per cent weeds.

PACKING.—Shall include all Wild Hay not good enough for other grades and not caked.

No GRADE PRAIRIE.—Shall include all Hay not good enough for other grades.

*CLASSIFICATION OF STRAW.

No. 1 STRAIGHT RYE.—Shall be in large bales, clean, bright long Rye, pressed in bundles, sound and well baled.

No. 2 STRAIGHT RYE.—Shall be in large bales, long Rye, pressed in bundles, sound and well baled, not good enough for No. 1.

No. 1 TANGLED RYE.—Shall be reasonably clean Rye, good color, sound and well baled.

No. 2 TANGLED RYE.—Shall be reasonably clean, may be some stained, but not good enough for No. 1.

No. 1 WHEAT.—Shall be reasonably clean Wheat, sound and well baled.

No. 2 WHEAT.—Shall be reasonably clean, may be some stained, but not good enough for No. 1.

No. 1 OAT.—Shall be reasonably clean Oat, sound and well baled.

No. 2 OAT.—Shall be reasonably clean, may be some stained, but not good enough for No. 1.

*As amended January 5, 1904.

***FEES FOR INSPECTION OF HAY.**

The fee for the inspection in cars shall be fifty (50) cents per car, to be paid by the owner or seller; all Hay in sight at both doors to be inspected. On any complaint at the unloading of the car the Inspector shall reinspect, with an additional charge of fifty (50) cents per car, unless he is requested by the party calling for the reinspection to examine every bale as it comes from the car, then the fee shall be one (1) dollar per car for reinspection. All facilities and additional expenses for reinspection must be furnished by the party calling for reinspection. The fee for inspecting at the river shall be two (2) cents per bale for large bales; one (1) cent per bale for half and third bales; and one-half ($\frac{1}{2}$) cent per bale for quarter bales, to be paid by the owner or seller.

RULES FOR THE GOVERNMENT OF WEIGHING.

SECTION 1.—Weighing, Where, etc.—All grain, hay and feed shall be weighed at the place of delivery, by a weigher appointed by the Chamber of Commerce or his duly appointed deputy, unless otherwise agreed between buyer and seller; the expense of weight to be borne by the seller, the place of delivery to include any point where the Chamber of Commerce maintains an official weigher.

SEC. 2.—Charge for Weighing.—The charge for weighing car lots shall not exceed one dollar per car, unless weighed in sacks in store or depots, and then not to exceed 1 cent per 100 pounds.

SEC. 3.—Grain Unloaded on Public Landing or Water Street.—All grain unloaded on the Public Landing or Water Street must be hauled over the Public Landing scales, and the weigher can not issue certificates unless weighed in this manner.

SEC. 4.—Rules Governing Weighers.—All wagons to be used in the removal of contents of a car to be weighed must be weighed empty prior to loading from the car, and such wagons must be stripped of all movable covers, tarpaulins, or other articles. All boxes attached to such wagons must be opened and inspected by the weighers before such wagons are weighed. Empty wagons must be weighed at least once a day, and as often as the weigher requires. No wagons shall be allowed to go to cars after 6 o'clock P. M. or before 6 o'clock A. M. without the weigher having been notified of such intention. No sacks shall be allowed to be weighed in empty wagons. These rules must be framed and hung in the offices of all Public Weighers under appointment of the Cincinnati Chamber of Commerce.

SEC. 5.—Rules Governing Car Load Weighing.—Chamber of Commerce official weighers, when weighing in car load lots, are required to weigh gross and tare on the same day, and if any weather changes between time of weighing gross and tare during same day, then cars must be re-weighed. If a car can not be transferred on the day of weighing gross, it must be re-weighed on the day of transfer. This rule is imperative and there must be no deviation.

SEC. 6.—Certificates of Weight.—Certificates issued by public weighers must show the entire contents of each car unloaded, or exceptions noted; and they must show the initial and number of cars from which the property was unloaded. Certificates of weight of grain, hay or feed, in addition to indicating the entire contents of the car weighed, shall report the condition of the car, with such other details as the nature of the case calls for. Public weighers, under appointment of the Cincinnati Chamber of Commerce, shall use such form of certificates as shall be approved and adopted by the Board of Directors. Original and duplicate certificates shall be furnished to the party ordering the weighing, and a copy shall be given to any member representing to the weigher that he is the seller of the property weighed.

SEC. 7.—Rules Governing Jumbo Transfer Weighing.—Transfer elevators known as Jumbos shall be under the control of weighers appointed by the Chamber of Commerce, or duly appointed deputies. On grain sold on track, or to arrive, that arrives by a railway having Jumbo transfers, the

*As amended August 20, 1895.

Jumbo weight certificate shall govern settlements. For the Jumbo transfer elevator service a fee not exceeding one (1) dollar per car for weighing and transfer may be charged.

SEC. 8.—*General Regulation.*—Weighers under appointment of the Chamber of Commerce shall not be permitted to weigh commodities in which they are interested as buyers or sellers.

RULES GOVERNING THE FLOUR TRADE.

RULE 1. Any member of the Cincinnati Chamber of Commerce desiring to become a Flour Inspector may make application to the Board of Directors, who shall judge as to his fitness and capability to perform the duties of Inspector, and if elected he shall give bond to the satisfaction of the Board for the faithful performance of his duties and for the payment of all damages assessed against him by the Flour Inspection Committee. The Board of Directors shall have power to suspend or dismiss an Inspector at any time. An Inspector shall not be directly or indirectly engaged in the Flour trade.

RULE 2. The Inspector shall, when directed, carefully inspect Flour submitted to him, and decide on its grade and soundness, being governed by the standards furnished by the Flour Inspection Committee, and may brand it, using stencils indicating grade and Cincinnati Chamber of Commerce inspection, and the month in which it is inspected in numerals. An appeal may be taken to the Flour Inspection Committee from the decision of the Inspector, and he shall brand the Flour according to the decision of said committee.

RULE 3. The Inspector, failing to grade Flour in accordance with the standards furnished, shall be liable for any damage resulting from such failure, and shall be subject to pay such fines as the Flour Inspection Committee may deem proper to impose.

RULE 4. Flour offered for inspection or examination shall be placed in such a position that it may be carefully examined by the Inspector; and should the owner or buyer, upon removing the Flour to his store or warehouse, find any of it not inspected, it shall be the duty of the Inspector to complete the inspection of said Flour upon the request of either the owner or buyer.

RULE 5. The Inspector shall receive two (2) cents for each barrel inspected, to be paid by the receiver or owner, and shall also be entitled to the Flour drawn from the barrels.

RULE 6. The scoop used by the Inspector shall not exceed one inch in diameter and thirty-two inches in length, exclusive of the shank of the handle, and not more than one scoopful shall be drawn from each barrel.

RULE 7. The Inspector shall, at the request of the party for whom the Flour is inspected, furnish certificate stating brand, number of barrels, and grade; and if the barrels of any lot of Flour are short in weight, not head-lined, or unfit for the proper conveyance of Flour, it shall be his duty to insert same in his certificate.

***RULE 8.** The Inspector shall, without extra charge, weigh at least one (1) barrel of each twenty-five (25) barrels inspected, when packed in wood, or an equivalent amount when packed in sacks, and if found to be below the weight of the standard weight of the package, he shall not brand it but shall notify the party who ordered the inspection.

***RULE 9.** The standard weight of a barrel of Flour shall be one hundred and ninety-six (196) pounds net. When Flour is sold in sacks, and sacks included, the gross weight shall be considered as actual weight, and in collating the result any overweight shall be taken to offset an equal amount of light weight.

RULE 10. Any defacing or changing of any Inspector's brand or marks placed by him on barrels or sample bags, by any person or persons, shall be reported by the Flour Inspection Committee to the Board of Directors; but the Inspector's brands on the barrels may be entirely removed, leaving the Flour to stand the same as if it had never been inspected.

*As amended January 5, 1904.

RULE 11. Sales of Flour shall be for cash on delivery, unless otherwise agreed. If delivery is delayed for convenience of buyer, the terms shall be cash on presentation of the bill. If payment of bill is refused for supposed light weight or damage, or error in the account, no greater amount shall be withheld than the damage, loss or error claimed.

***RULE 12.** When Flour is sold by sample or grade guaranteed, it must be inspected at the place where sold (there being no agreement to the contrary), and if not equal to sample, seller shall be compelled to furnish flour equal to sample or to make satisfactory settlement with the purchaser. If no agreement can be made, the settlement shall be determined by the Flour Inspection Committee, whose decision shall be binding.

RULE 13. A rejection of Flour shall not be valid unless notice thereof in writing shall be given the seller within forty-eight hours after the delivery. In case of Flour at railroad depots, wharves, or general storage warehouse, delivery of the railroad notice or order on the railroad company or warehouse to the purchaser shall constitute a tender of delivery.

***RULE 14.** Flour shall not be considered in merchantable condition unless in good barrels and head-lined, or in good sacks. Flour when sold in barrels and not head-lined may be head-lined by the buyer at an expense not to exceed two (2) cents per barrel, at the expense of the seller, unless otherwise agreed.

RULE 15. All Flour sold at railroad depots, or river or canal landings, shall be at the risk of the buyer after six o'clock in the afternoon of the day following the day on which the order is given for the same.

RULE 16. Sales of Flour may be entered on the Sales Book of the Chamber, but all sales recorded must be "cash" sales, and if not "cash" sales the condition of sale must be expressed.

RULE 17. Sales can not be recorded unless grade is established by inspection, and if grade is not established by inspection they can be recorded as sold "by sample."

RULE 18. Sales recorded upon the Sales Book will be recognized as reflecting the daily market values, and in the event of no sales being recorded it shall be the duty of the Market Reporter to call upon the Quotation Committee, whose duty it will be to make the quotation upon that day.

RULE 19. The standards of grades of Flour shall be as follows: *Winter Wheat*—Patent, Fancy, Family, Extra. *Spring Wheat*—† Patent, Fancy, Family.

RULE 20. The Board of Directors shall, annually, after their election, in the month of October, appoint a Committee on Flour Inspection, consisting of five (5) competent members of the Cincinnati Chamber of Commerce who are known as members of the Flour trade. It shall be the duty of this committee to properly discharge the obligations imposed upon them, to consider and decide all disputes pertaining to matters of inspection arising between members dealing in Flour which may be submitted to them. A majority of the committee shall constitute a quorum, and a decision of a majority of those present shall be final and binding.

RULE 21. It shall be the duty of the Flour Inspection Committee to exercise general supervision over the inspection. They shall, each year, within two weeks after their appointment, establish standards of Flour for the following year, and secure and place in boxes in the Exchange Hall, for the use of the Inspector and dealers, and every three months renew fresh standards, but not with a view of changing the standards established.

RULE GOVERNING SALES OF HOGS.

In sales of Live Hogs, dockage shall be allowed on the following basis: On animals weighing over two hundred (200) pounds—Stags, eighty (80) pounds; Piggy Sows, forty (40) pounds. On animals weighing two hundred (200) pounds and under—Stags, forty (40) pounds; Piggy Sows, twenty (20) pounds.

The dockage to be agreed upon by the buyer and seller; in case of any dispute, then a third party shall be called in to decide the proper dockage, and the party losing shall pay to the arbitrator one (1) dollar for each and every time he shall serve.

*As amended January 5, 1904.

† Spring Patent created November 4, 1890.

RULES FOR THE GOVERNMENT OF THE PROVISION TRADE.

RULE 1. The Committee on Provision Inspection shall act as referees in all cases of complaints against Inspectors, or the inspection of any lot of Provisions, or any matters of business pertaining to the same; but the buyer shall, in all cases, have the right to designate his own Inspector; but in case the seller feels that injustice is being done, he shall have the right to call upon the Committee of Inspection, whose decision shall be final and binding. Any Inspector agreed upon by parties to a transaction, shall be regarded as a regularly authorized Inspector, subject to the rules of the Chamber, and the Committee on Provisions shall constitute the committee of reference.

RULE 2. All appeals from inspection must be made before the property leaves the city, packing point, or place of delivery.

RULE 3. Pork products packed between November 1st and March 1st shall alone be classed as "Standard."

RULE 4. In sales of fully cured Meats, or to be fully cured and delivered at a specified time, the seller must deliver in good faith according to contract, the Inspector to be the judge, who shall always be fully informed of the conditions of the contract before proceeding to inspect. Where sales of Dry Salted Meats are made without other specifications, it shall be considered that the sales contemplate Meats fully cured, the Inspector to be the judge.

RULE 5. In case of no specific agreement, the saltage allowed on Bulk Meats shall be one (1) per cent. from the 1st of November to the 1st of May; but should the buyer or seller object, the Inspector shall sweep as many drafts as he may consider necessary, and the percentage thus obtained shall be binding on both parties. But from the 1st of May to the 1st of November, the tare shall be ascertained by washing in cold water with a cloth, in case of no special agreement to the contrary. A drainage of one (1) per cent. shall be allowed on Pickled Hams and Shoulders.

RULE 6. To determine the tare on Lard, the package shall first be weighed gross, the Lard then removed, and the empty package subjected to dry heat and drained; after which the empty package shall be weighed, and its weight deducted from the gross weight. The difference thus obtained shall be considered the net weight of the Lard.

RULE 7. Three hundred and twenty pounds, net, shall be the average weight of a tierce of Lard upon which all settlements with contractors shall be based; but the number of packages the contract calls for must be delivered, and the difference, if any, settled at the market price on the day of delivery.

RULE 8. Four hundred to four hundred and fifty pounds, net, shall constitute a box of Cumberland Middles, and four hundred and seventy-five to five hundred and twenty-five pounds, net, shall constitute a box of all other English cuts of Middles, Shoulders and Hams, and all boxes containing over five hundred pounds of Meat to have a third strap around the box. All settlements of contracts shall be made on a basis of four hundred and twenty-five pounds per box, net, for Cumberland cut, and five hundred pounds per box, net, for all other English cuts of Meats.

RULE 9. If, on inspection of a fair sample of Bulk Meats, twenty (20) per cent., or over, is found to be sour, the buyer shall not be required to take the lot.

RULE 10. All the foregoing rules must be justly and liberally construed, and no property shall be rejected or condemned on a mere technicality.

RULE 11. The Committee on Provisions shall not have power of arbitration, but shall be empowered to consider all cases in reference to quality of Meats, cooperage, etc., and parties refusing to abide the decision of the committee, while acting in their line of duty, shall be liable to arraignment for unmercantile conduct.

RULE 12. In case of no specific agreement, contracts for 100 barrels of pork, 100 tierces of lard, 100 boxes dry salted meats, or for a larger amount, deliveries can be made on seller's option, or called for on buyer's option, in lots of not less than 100 packages, as named above, nor less than 100 packages of one brand.

Contracts for 50 hogsheads, or 50 half-hogsheads, of bacon or dry salted meats, or more, deliveries can be made on seller's option, or called for on buyer's option, in quantities of not less than 50 hogsheads or 50 half-hogsheads, and not less than this quantity of one brand.

Contracts for 100,000 pounds of bacon or dry salted meats, loose, or for a larger amount, deliveries can be made on seller's option, or called for on buyer's option, in quantities of not less than 100,000 pounds.

Contracts for 100 tierces of hams, or shoulders in pickle, smoked or canvased, or for a larger amount, deliveries can be made on seller's option, or called for on buyer's option, in lots of not less than 50 tierces, nor less than 50 tierces of one brand.

Payment to be made as lots are delivered.

RULE 13. It shall be the duty of the Inspector of Provisions to weigh stuff when called upon, receiving therefor a fee of five (5) cents per each one thousand (1,000) pounds, in addition to the inspection fee—the party ordering the weighing to be responsible for the fee.

RULE 14. The Inspector shall keep a record, in detail, of every examination he may make, that he may be qualified to testify positively in event of a dispute.

RULE 15. For the examination of provisions sold as "Regular," it shall be the duty of the Inspector (or his deputed assistants), on receiving notice, to go to any packing house or warehouse in the city to examine provisions in such quantities as may be required, selecting the same in such manner, from the lots specified, as in his judgment will give a fair sample of the whole.

RULE 16. If upon examination it is found in all respects up to the requirements, according to the classification or grades adopted by the Chamber of Commerce, he shall issue certificates to that effect.

When necessary to remove property for the convenience of examination, it shall be the duty of the Inspector to send for the same, that a fair sample may be obtained.

In no case should a certificate be granted on samples delivered by the seller.

RULE 17. The Inspector shall be entitled to receive as compensation for examining Provisions, as follows: For Beef and Pork, in barrels, five dollars for the first five barrels, the Inspector furnishing labor and other requirements, and seeing that the property is properly repacked and rebrined, and fifty cents for each additional barrel examined—payable by the buyer if regular, and by the seller if rejected, and cartage when removed; and for Bulk, Bacon or Boxed Meats, fifteen cents per one thousand pounds, payable by the buyer. For inspecting Lard, five cents per package, payable by the buyer if accepted, or by the seller if rejected; and for stripping Lard, one dollar per package, to be paid by the buyer. Five barrels of Pork or five tierces of Lard to be sufficient to sample any lot sold, unless otherwise agreed between buyer and seller.

RULE 18. It shall be the duty of the Inspector, when requested by the owner, either at any packing house, warehouse, or in yards provided by the Inspector, to overhaul and inspect Provisions according to the qualifications and classifications authorized; two hundred pounds of meat, with abundance of good salt, to be repacked in each barrel, and cooperage to be put in good order. Each barrel of Provisions that is sound, sweet, and free from any and every defect, to have grade and date of inspection branded thereon, and the word "Repacked," as hereinafter specified; and any portion that is defective, to be branded in like manner "Rusty," "Sour," or "Tainted," as the case may be; the said brand to be placed, with the Inspector's brand, across the regular packer's brand, such Pork, according to the grade or quality, to be classed as "Repacked, 200 pounds."

RULE 19. The Inspector shall use metallic letters and figures or marking iron for his dates and classes of inspection.

RULE 20. It shall also be the duty of the Inspector to put his metallic brand or marking iron on samples of Provisions in packages that he inspects; and he shall pass no Pork products as "Regular" unless the real packer's name of the product contained therein is branded, according to these rules, on the head of each package.

RULE 21. In all cases of sales of Provisions as "Regular," the Inspector shall examine and inspect when called on; and if the property be up to the requirements, he shall issue a certificate simply for so many barrels or packages of product (naming it), for so many pieces or pounds of meat (naming the kinds).

RULE 22. Should the Inspector be called on to inspect Pickled Meats, and upon examination he should be of the opinion that the number of pounds required by these rules had not been packed, he shall not pass it as "Regular," but shall refer it at once to the Inspection Committee, who shall investigate, and if a satisfactory explanation can be given or arrived at, they shall instruct the Inspector to proceed and inspect and pass it; but if not satisfactory to the Committee, they shall, in their judgment, make the fact known to the Provision Trade in any way they may think proper.

RULE 23. All "Hog Products," to be "Regular," must be from corn-fed slaughtered hogs, not frozen before cutting, and shall average not less than fourteen pounds for Shoulders, or thirty pounds for Sides, and must run at least eighty per cent. sweet.

No hogs shall be killed on the same day on which they arrive at the pens of the slaughter-house

RULE 24. Where Meat is in store, it shall be weighed and inspected in store; where Meat arrives by river, rail or canal, it shall be inspected and weighed at house of buyer.

RULE 25. All Bacon, uncanned, and Bulk Meats packed between March 1st and November 1st, shall be in fly-tight coopeage.

RULE 26. In all sales of Provisions for future delivery, either party may call for a margin, at any time, unless it is expressly understood between the parties, at the time the contract is entered into, that such call can not be made. In the absence of a special contract, either party shall be entitled to a margin equal to ten (10) per cent. of the market value of the article contracted to be delivered, the same to be kept good. Twenty-four (24) hours' notice in writing to residents, and forty-eight (48) hours' notice in writing or by telegraph to non-residents, shall be given on a call for a margin, and where a party fails to respond to such call within the said time, the property may be sold at public auction, on the floor of the Merchants' Exchange, during 'Change hours, on the following day, "for account of whom it may concern."

RULE 27. In settlement of contracts (unless otherwise specified) the following weights shall govern:

Dry Salted Meats or Bacon—

Packed in hogsheds, Shoulders,	-	-	-	-	-	1,000 pounds.
" " Rib Sides,	-	-	-	-	-	900 "
" " Clear Rib Sides,	-	-	-	-	-	950 "
" " Clear Sides,	-	-	-	-	-	1,000 "
Packed in half hds., Shoulders,	-	-	-	-	-	550 "
" " Rib Sides,	-	-	-	-	-	500 "
" " Clear Rib Sides,	-	-	-	-	-	550 "
" " Clear Sides,	-	-	-	-	-	575 "
Hams or Shoulders, smoked and canned, packed in tierces,						340 "
" " in pickle, packed in tierces (green weight),						300 "

RULE 28. All barreled Provisions offered for sale as "Regular" in this market must be cut, selected and packed, in all respects, as to quality and condition, equal to the classification of inspection as adopted by the Chamber of Commerce.

RULE 29. Unless otherwise stipulated, in all sales made of any of the grades of Provisions represented as "Regular," the seller shall be bound to fulfill his sale by the delivery of the quality called for by such sale, and which, on examination by the Inspector, has been certified by him to have been packed according to the classification, and is, at the time of delivery, in good merchantable condition in every respect.

Provisions from which any surplus gain has been removed, can not be classed as "Regular."

RULE 30. All Provisions sold in this market, in the absence of special agreement, shall be deemed "Regular," and the property must comply with the requirements of the Rules of Inspection of the Board. All Provisions sent to this market for sale, which are, in all respects, in conformity with these rules, shall be classed as "Regular."

RULE 31. No original weight shall be taken out of any package of Provisions, without removing the original packer's brand *entirely* from the head of the package, and the brand "Repacked" burned in the head distinctly.

RULE 32. In all cases, Product should be sold "Regular," but, in case a particular brand is sold, and, upon examination, the Product will not inspect "Regular," the buyer shall elect to take another brand, or the difference in value of the special brand shall be settled between the buyer and seller.

RULE 33. On sales of Provisions for future delivery, on buyer's option, if the buyer call before the expiration of the month of contract, the seller, if he so elect, shall in case of barreled meats and lard in tierces, have two working days' notice, and for boxed meats, pickled or smoked hams, and shoulders in tierces, or dry salted meats, four working days to prepare property for delivery; and when, at the option of seller, the seller tenders before the expiration of the month of contract, the buyer, if he so elect, shall have the same time to prepare for receiving the same.

RULE 34. Buyers of Provisions on time contracts shall have the right to inspect before the day of delivery, provided they send an Inspector in time to allow the inspection to be completed before the expiration of the contract; but, failing to do so, the seller shall have the privilege of having the property inspected, the cost to be paid by the buyer.

RULE 35. Where the buyer of Provisions fails to avail himself of the privilege of inspection, in the absence of any special agreement upon the part of the seller to guarantee his product, the liability of the seller shall, as to quality, saltage and weights, cease when the product shall have left his house.

RULES GOVERNING INSPECTORS, WEIGHERS, MEASURERS AND GAUGERS.

RULE 1. Inspectors, Public Weighers, Measurers and Gaugers, appointed by the Cincinnati Chamber of Commerce, are not allowed to inspect, weigh, measure or gauge any commodity in which they are directly or indirectly interested.

RULES FOR THE CUT AND MANUFACTURE OF THE HOG PRODUCT.**BARRELED PORK.****MESS PORK.**

Mess Pork shall be cut and packed from Sides of well-fatted Hogs, in strips; the Hog to be first split through the backbone, or, if split on one side, then an equal proportion of hard and soft sides, as they are termed, must be packed, properly flanked, and not back-strapped. One hundred and ninety pounds of green meat, numbering not over sixteen pieces, including the regular proportion of flank and shoulder cuts, four layers placed on edge, without excessive crowding or bruising, must be packed into each barrel, with not less than thirty-five pounds of good foreign, or forty pounds of good domestic, coarse salt, and filled up with good, clear brine, as strong as salt will make it. The pork to be cut reasonably uniform in width. The packer's name and location, the date of packing, and the number of pieces and pounds of green meat in each barrel must be branded on the head with a metallic brand, marking-iron or stencil brand, at the time of packing.

PRIME MESS PORK.

Prime Mess Pork shall be made of the Shoulders and Sides of nice, smooth, fat Hogs, weighing from 100 to 160 pounds, net, regularly cut into square pieces, as near four pounds each as possible, the shank to be cut off close to the breast. Each barrel to contain one hundred and ninety pounds of green meat, in the proportion of twenty pieces of shoulder and thirty pieces of side cuts, and to be packed with twenty pounds of good, coarse salt, with the addition of eight ounces of saltpeter. The Prime pieces should be cut clear of the blade-bone. The shoulder pieces not to exceed eighty-five pounds in each barrel.

EXTRA PRIME PORK.

Extra Prime Pork shall be made from heavy, untrimmed Shoulders, cut into three pieces, the leg to be cut off close to the breast, to be packed one hundred and ninety pounds of green meat into each barrel, with the same quantity and quality of salt as Mess Pork.

LIGHT MESS PORK.

Light Mess Pork shall be made from the Sides of reasonably well-fatted Hogs, and in all other respects to be cut, selected, and packed the same as Mess Pork, except that as many as twenty-two pieces may be put into each barrel.

FAMILY MESS PORK.

Family Mess Pork shall be made from Backs of Hogs, after bellies have been taken off, cut into pieces about six pounds each, and in all other respects to be selected and packed in the same manner as Mess Pork.

EXTRA SHOULDER PORK.

Extra Shoulder Pork shall be made from heavy, trimmed Shoulders, cut into three pieces; the leg to be cut off close to the breast, and in all other respects selected and packed in the same manner as Extra Prime Pork.

EXTRA CLEAR PORK.

Extra Clear Pork shall be made from the Sides of extra heavy, well-fatted Hogs, the back-bone and ribs to be taken out, the number of pieces in each barrel not to exceed fourteen, and in all other respects to be cut, selected, and packed in the same manner as Mess Pork.

CLEAR PORK.

Clear Pork shall be made from the Sides of extra heavy, well-fatted Hogs, the back-bone and half the rib next to the back-bone to be taken out, the number of pieces in each barrel not to exceed fourteen, and in all other respects to be cut, selected, and packed in the same manner as Mess Pork.

CLEAR FAMILY MESS PORK.

Clear Family Mess Pork shall be made from the Backs of heavy, well-fatted Hogs, after bellies have been taken off and back-bone and ribs taken out, cut into pieces of about six pounds each, and in all other respects to be packed in the same manner as Mess Pork.

RUMPS.

Rumps shall be trimmed with only enough taken off to make them neat and smooth, the tails cut off close, each barrel to contain one hundred and ninety pounds of green meat, packed in the same quantity and quality of salt as Mess Pork, and the number of pieces to be similarly branded on each barrel at the time of packing.

PICKLED MEATS.**STANDARD SWEET PICKLED HAMS.**

Standard Sweet Pickled Hams shall be cut short, and well rounded at the butt, properly faced, shank cut just in or above the hock-joint, to be reasonably uniform in size and average. Three hundred pounds, block weight, shall be placed in each tierce.

STANDARD SWEET PICKLED SHOULDERS.

Standard Sweet Pickled Shoulders shall be well cut and trimmed, shank cut in or above the knee-joint, to be reasonably uniform in size. Three hundred pounds, block weight, shall be packed in each tierce.

NEW YORK SHOULDERS.

New York Shoulders shall be made from small, smooth Hogs, shank cut off one inch above knee-joint, trimmed close and smooth, reasonably uniform in size, and to average, in lots, not to exceed fourteen pounds. Three hundred pounds, block weight, shall be packed in each tierce.

SWEET PICKLED BELLIES.

Sweet Pickled Bellies shall be made from nice, smooth Hogs, well cut and trimmed, to average in lots, not to exceed fourteen pounds. Three hundred pounds, block weight, shall be packed in each tierce.

BRANDING.

The packer's name, location, number of pieces and date of packing shall be branded on the head of each package of Pickled Meats at the time of packing.

UNIFORMITY OF PICKLED MEATS.

All Pickled Meats shall be sized when packed—the light, medium and heavy separately, as near as practicable.

CUT MEATS

HAMS.

Hams shall be cut short, well rounded at the butt, properly faced, cut just in or above the hock-joint.

SHOULDERS.

Shoulders shall be cut at right angles to the side, and as close as possible to the back part of the fore arm-joint, butted off square on top, neck-bone and short ribs taken out, blood-vein lifted and cut out, breast-flap to be trimmed off, and foot to be cut off in or above the knee-joint.

BLADED SHOULDERS.

Bladed Shoulders shall be cut the same as "Standard" Shoulders, excepting the shoulder-blade to be taken out and the corners rounded.

ROUGH SIDES.

Rough Sides shall be made by splitting the Hog through on one side of the back-bone, and an equal proportion of both Sides must be delivered on sales, to make them "Standard."

SHORT CLEAR SIDES.

To make Short Clear Sides, the back-bone, breast-bone, and ribs shall all be taken out, and hench-bone sawed down smooth and even with the face of the Side, feather of blade-bone not to be taken out, edges to be left smooth, Sides not to be back-strapped or flanked.

SHORT RIB SIDES.

To make Short Rib Sides, the back-bone should be taken out, hench-bone and breast-bone sawed or cut down smooth and even with the face of the Side, feather of blade-bone not to be taken out, and side not to be back-strapped or flanked.

LONG CLEAR SIDES.

To make Long Clear Sides, the back-bone, shoulder-bones, ribs, and breast-bone must be taken out, leg cut off close to the brisket, hench-bone sawed down smooth and even with the face of the Side, and the Sides not to be back-strapped or flanked.

CUMBERLAND SIDES.

To make Cumberland Sides, the Side and Shoulder should be left together in one piece; foot cut off in or above knee-joint; shoulder ribs, neck-bone, and back-bone taken out; blood-vein lifted and cut out; hench-bone and breast-bone sawed or cut down smooth and even with the face of the Side, and Sides not to be back-strapped or flanked. Ribs must not be scribed.

LONG RIB SIDES.

Long Rib Sides to be made same as Cumberlands, except that the shoulder-bones must be taken out, and leg cut off close to the brisket.

STRETTFORD SIDES.

Strettford Sides shall be made from Hogs weighing about 140 to 160 pounds, net; back-bone and half the ribs taken out, blade-bone taken out, knuckle left in, and leg cut off close to the breast.

BIRMINGHAM SIDES.

Birmingham Sides shall be made from Hogs weighing about 170 pounds, net; back-bone, ribs, and blade-bone taken out, pocket-piece cut out, and pocket nicely rounded. knuckle-bone left in, and leg cut off close to the breast.

SOUTH STAFFORDSHIRE SIDES.

South Staffordshire Sides shall be made the same as Birmingham, except loin taken out full to top of shoulder-blade, leaving only a thin strip of lean along the back; knuckle left in, and leg cut off close to the breast.

YORKSHIRE SIDES.

Yorkshire Sides shall be made the same as Cumberlands, with the ribs out, the leg cut off about two inches above the knee.

IRISH CUT SIDES.

Irish Cut Sides shall be made the same as Long Clear, except top of the pocket cut off, knuckle-bone left in.

LONG HAMS.

Long Hams shall be cut from the Side by separating with a knife the hip-bone from the rump, properly rounded out, foot unjointed at first joint below the hock-joint.

SOUTH STAFFORDSHIRE HAMS.

South Staffordshire Hams shall be cut short, hip-bone taken out at the socket-joint, hock unjointed at first joint below the hock-joint.

UNIFORMITY OF BOXED MEATS.

In packing Meats in boxes, the pieces shall be classified—the light, medium and heavy separately, as nearly as practicable, in packages made to suit the different sizes.

L A R D.

CHOICE LARD.

Choice Lard to be made from leaf and trimmings only, either by steam or kettle-rendered, the manner of rendering to be branded on each tierce.

PRIME STEAM LARD.

Prime Steam Lard shall be standard, made from head, gut fat, leaf and trimmings, in the proportion in which the same come from the Hog.

CURRENT MAKE LARD.

Current Make Lard shall be standard, made from head, gut fat, leaf and trimmings, in the proportion in which the same come from the Hog; white and sweet; steam rendered.

RULES FOR THE GOVERNMENT OF THE TRADE IN HOPS.

RULE 1. It shall be the rule that a bale of Hops shall weigh not less than one hundred and seventy-five (175) or more than two hundred (200) pounds; but the tender or delivery of any lot of Hops, on a sale or contract, averaging one hundred and eighty-five (185) to one hundred and ninety (190) pounds, shall be deemed a compliance with this rule.

RULE 2. The sacking of Hops shall not weigh more than twenty-four (24) ounces per yard, and seven (7) pounds shall be deducted from the weight of each bale as tare; and any additional weight of sacking or any extraneous matter shall be considered as irregular, and the seller be liable to the purchaser for such excess.

RULE 3. Each and every bale of Hops sold by the grower, either to a dealer or consumer, must be marked with his (the grower's) name or initials, and the name of the State where the Hops have been raised, and the year produced.

RULES GOVERNING REPORTS OF SALES.

RULE 1. "Time Sales" may be entered on the daily Sales Book of the Chamber, with this condition specified.

RULE 2. Sales entered without conditions, will be understood to mean cash sales.

RULE 3. Sales in settlement of contracts, without the *bona fide* transfer of property, must not be entered as cash sales, but as "sales in settlement."

RULE 4. Sales consummated on refusals given the day before, may be entered with the conditions expressed.

RULE 5. Sales made up to 1:30 o'clock only, may be reported as late as 1:45 o'clock. Sales made after 1:30 o'clock may be reported the next day and entered as sales made "last evening."

RULE 6. All challenges of sales entered on the Sales Book must be made on the day of entry.

RULE 7. Entries on the Exchange Sales Book of sales of Grain and Hay are not to state grades, except when officially inspected. Other sales to be entered as "by sample."

Sales of Wheat.—No. 2 Red Winter Wheat, and sales by sample of sound grain testing over fifty-nine pounds, and not over sixty pounds, shall be recorded as "heavy." Grain testing over sixty pounds shall be recorded as "extra heavy."

Sales of Corn.—No. 2 Mixed or No. 3 Mixed Corn, when the inspection sample so shows, shall be recorded as "nearly yellow" or "nearly white." Ear Corn shall be designated as "poor," "sound," or "choice," and as "sound mixed nearly yellow," or "sound mixed nearly white," etc., as the case may be.

Sales of Oats.—Oats shall be designated as "light weight," or "heavy," as the case may be, with reference to the basis of weight in force, as established for the inspection from time to time. Also, as "nearly white," or "nearly black," as the case may be. Off-grade Oats should be designated as "poor," "good," etc., as the case may be.

RULE 8. Challenges of sales entered on the Sales Book shall be made to the Superintendent, and it shall be the duty of the Superintendent to at once institute an investigation of facts incident to the reported sale, whereupon, if the result shall justify and confirm the entry, it shall stand, otherwise it shall be removed under order of the Superintendent. On finding irregularity in any such entry, under investigation, it shall be the duty of the Superintendent to report accordingly to the Chairman of the appropriate Inspection Committee, whereupon such committee shall proceed to a formal investigation of all the facts in the case, and if it be found that the entry misrepresented the conditions attending the transaction, the said committee shall report to the Board of

Directors the result of such investigation, upon which the Board may order that the offending party shall be reprimanded, or may order that an announcement be made on 'Change that the offending party has been found guilty of serious irregularity in reporting an entry for the Sales Book, which announcement shall constitute the penalty for such offense. Whenever it shall come to the knowledge of the Superintendent that any member of the Association calls in question the accuracy of an entry on the Sales Book, even though no formal challenge be made, the Superintendent may, at his discretion, proceed to investigate the case in the same manner and with incident action as if a formal challenge had been reported.

RULE 9. Reports of sales should be made promptly after the transaction is consummated, and may be made by either seller or buyer. If reported by the buyer, the entry clerk should ask for name of the selling party, in order to avoid duplication.

RULE 10. The entry clerk shall ask the member reporting a sale for any information deemed essential to an accurate understanding of the transaction. If such information be refused, the entry clerk shall so report to the Superintendent, who will, at his discretion, investigate the matter, and, if regarded as of sufficient importance, may report to the Board of Directors accordingly.

RULE 11. Entries of sales shall not include transactions with nonmembers. Sales made between members elsewhere than on 'Change, if reported, should be qualified by notation on the Sales Book, "off 'Change," with also the designation "to-day" or "late yesterday," as the case may be, the latter implying a transaction after 'Change of the day preceding the entry.

RULE 12. An entry of a sale for delivery at a point not represented by regular freight and usual charges shall state "Delivery beyond Cincinnati rate point," or other qualification, reflecting conditions attending the transaction.

RULE 13. Sales for delivery at a point where there is a switching charge should indicate the amount of such charge, and if paid by the buyer should be so stated; otherwise, the entry to imply that the cost is assumed by the seller. When sales require delivery to be made by the seller, the cost of delivery shall be indicated in the entry, at the rate per 100 pounds, or per ton, or for switching per car, etc., as the case may be.

RULE 14. When sales are made to arrive for delivery at a Cincinnati rate point, the entry shall so specify.

RULE 15. Deliveries applied on contracts shall not be entered on the Sales Book.

RULE 16. Sales on the river landing shall so indicate in the entry.

RULE 17. Reports of sales of grain shall represent the following stated quantities as representing car loads: Wheat, 1,000 bushels; Shelled Corn, 1,000 bushels; Ear Corn, 700 bushels; Oats, 1,500 bushels; Rye, 1,000 bushels; Barley, 1,000 bushels.

RULES GOVERNING THE BUTTER AND CHEESE TRADE.

RULE 1. The following rules shall govern the purchase and sale of Butter and Cheese by and between members of the Cincinnati Chamber of Commerce, other than specially provided for by the Call Board rules.

RULE 2. There may be a Call for the purchase and sale of Butter, Eggs and Cheese, or Butter, Egg and Cheese contracts during 'Change hours on all business days. The Call shall be after such forms as the Board of Directors may adopt, and shall be made to cover all grades of Butter and Cheese, and may be varied during the different seasons as may be required.

RULE 3. An Inspector shall be appointed by the Board of Directors, who may be called upon by either the buyer or seller, who shall, when so called, inspect all Butter and Cheese. His compensation shall be as follows: two (2) cents per hundred pounds; but no fees shall be less than fifty (50) cents. The party against whom the decision is rendered shall pay the Inspector's fee. Sales shall be deemed as binding unless the goods sold prove, upon inspection, to be inferior to the grade specified in the sale. In event of a dispute upon the grade between the buyer and seller, if either party shall feel aggrieved by the decision of the Inspector, they shall have the right to appeal to three members of the Chamber, one to be chosen by the buyer, and one by the seller, who, failing to agree, shall select a third, and their decision shall be final. If a decision shall be rendered in favor of the seller, the buyer shall be bound to receive the goods at the price stipulated at the time of purchase. When a decision is rendered in favor of the buyer, the seller shall make good the delivery of other goods of equal quality and grade previous to 3 P. M., or pay the penalty, and all expenses shall be borne by the party against whom the decision is given.

RULE 4. Transactions in Butter and Cheese for immediate delivery shall be deemed as consummated upon announcement of the purchase or sale under the Call, or elsewhere between members. The penalty for non-fulfillment of contract on the part of either buyer or seller shall be five per cent. of the contract price of the goods, except in the transactions of future delivery of Butter and Cheese, where the penalty shall be the difference between the contract price and the market price of the goods on the day on which the fulfillment of the contract shall be demanded, which difference shall be settled by the Butter and Cheese Inspection Committee. But nothing in this rule shall be construed to prevent a different settlement by mutual agreement. Settlement for future deliveries shall be made on the basis of sixty (60) pounds for tubs, and one hundred (100) pounds for firkins.

RULE 5. All sales by members on 'Change of Butter and Cheese shall be considered as cash, unless otherwise agreed between buyer and seller.

RULE 6. No reclamation for tare on butter packages shall be allowed unless returned within one week from date of sale.

CLASSIFICATION OF BUTTER.

CREAMERY.—This grade shall be composed of the highest quality of Elgin, Ohio, Indiana and Western; fresh, sweet, and uniform in color, in regular style new packages.

No. 1 DAIRY.—Butter of this grade shall be of the highest grades of butter made, outside of creameries, and shall be in regular style of packages, fresh, sweet, and uniform in color.

No. 2 DAIRY.—Butter of this grade shall be comprised of sweet butter, but of uneven color and style of package.

No. 3 DAIRY.—Butter of this grade shall consist of all grades between the quality of too poor for No. 2 Dairy and the best grades of Grease Butter.

CLASSIFICATION OF CHEESE.

FANCY.—Shall be full cream, perfect in flavor, close made, fine texture, well cured, of uniform color and perfect surface. Boxes to be in good order.

CHOICE.—Shall be slightly, or what is understood in this market as part skimmed, clean flavored, good texture, good surface, and boxes in good order.

On all Cheese offered, the seller shall designate in what section of the country they are made; also state quality and grade. Known marks may be offered on their reputation and may not be full cream.

Off flavored, out of condition, hard skinned, and any grade not classified, may be offered, subject to inspection, by the buyer.

RULES GOVERNING THE EGG TRADE.

RULE 1. The following rules shall govern the purchase and sale of Eggs by and between members of the Cincinnati Chamber of Commerce, other than specially provided by the Call Board rules.

RULE 2. Parties offering Eggs for sale under the Call shall, when required, name the State where the Eggs were put up or forwarded; or they may be offered by the designating mark, or the mark or name by which they were known in the trade. When Eggs are offered and purchased by their designating mark, or the mark or name by which they are known in the market, there shall be no difference as to quality or condition. The purchaser must accept the Eggs unless it is shown that they have been damaged by some accident, or put up with some evident intent to defraud, or have been held for speculation, or otherwise, out of the regular course of shipments.

RULE 3. Eggs shall be classified as follows: Firsts, Seconds and Thirds. This classification, together with naming the locality in which the Eggs are put up, shall be the form of offering Eggs on Call or elsewhere, when they are not known by marks. When sales are made under the classified Call, the Eggs shall be ready for delivery not later than 3 o'clock, P. M., and this rule shall apply to all deliveries unless otherwise agreed to by both buyer and seller; and such sales shall be deemed as binding unless the Eggs sold prove, upon inspection, previous to delivery, or within twenty-four hours thereafter, to be inferior to the grade specified in the sale. In the event of a difference upon the grade between buyer and seller, the Eggs shall be inspected by the Egg Inspector. It shall be the duty of the Inspector, in his return, to state whether the stock so inspected is Firsts, Seconds or Thirds, and this decision shall be final. If this decision is in favor of the seller, the buyer shall be bound to receive the goods and pay for the inspection. If the decision is in favor of the buyer, the seller shall pay for the inspection and pay the buyer five (5) cents per case penalty, or at that rate, and take back his goods, paying all cartage on the same. Parties desiring inspection must so inform the Inspector on or before 4 o'clock, P. M., on the day of sale. The Inspector must notify both buyer and seller of his decision within twenty-four hours of sale. This rule does not prohibit parties settling without the aid of inspection where both buyer and seller mutually agree to do so. If upon the first delivery to buyer, the goods so delivered do not appear, upon examination, to be of the grade sold, the seller may make a second delivery, or call in the Inspector, in which latter event he shall be barred a second delivery, and the decision of the Inspector shall be final. Both deliveries must be made on the day of purchase, unless otherwise mutually agreed to by both parties. In the event of an extra delivery, the seller shall pay all extra cartage. The same classification shall be used for limed or cold storage Eggs as for fresh, but the explanation of the classification shall be different. The form of the Call for limed or fruit-house Eggs shall be the same as for fresh, except that the word "limed" or "cold storage" shall be inserted between the words "for" and "eggs."

RULE 4. Eggs sold under the Call may be inspected at the option of the buyer or seller, and this inspection shall settle the loss finally. The proportion of packages to be taken out in all cases shall be three out of ten, four out of twenty, five out of thirty, seven out of fifty, and ten out of one hundred. The party who elects to have Eggs inspected shall pay for the same, except as provided under Rule 3.

RULE 5. Contracts made for future delivery, when the same are buyer's option, the buyer shall give the seller notice to deliver before 10 A. M., on the day of demand, and the seller shall deliver the same as spot sales, and if no demand for the goods is made by the buyer previous to the expiration of the contract, the seller shall give notice of his readiness to deliver, which shall be deemed a proper tender. The seller shall have the privilege of two deliveries, as in spot sales; inspection to be made the same as for Eggs sold for spot delivery. Eggs sold at seller's option, the seller shall also have the privilege of two deliveries, as at buyer's option.

RULE 6. All sales of Eggs by members of the Chamber shall be considered as cash, except otherwise agreed between buyer and seller; and the delivery to be regular shall be at the business house of the seller, or at any business house within the city limits, provided that the drayage shall not exceed fifty (50) cents on any one lot of twenty-five (25) cases or less, or two (2) cents per case on round lots of twenty-five (25) cases or over, unless there be a fraction of a load in said lot, which said fraction shall be counted the same as a full load; and if in excess of that amount, the difference shall be paid by the seller. In delivering round lots of twenty-five (25) cases or over, no number less than twenty-five (25) cases shall be delivered at any one time, unless there be a fraction of a load in the lot, in which case it may be delivered the same as if a full load.

RULE 7. All difference of opinion as to the construction of the foregoing rules shall be decided by the Egg Inspection Committee, unless one or more of said Committee be interested, in which case the Superintendent, or some member of the Chamber shall serve in the place.

RULE 8. In the case of the death or absence of the Inspector, or his inability from any cause to act, any member of the Egg Inspection Committee may fill his place and perform his duties.

RULE 9. The fees of the Inspector shall be ten (10) cents per case, on the lot so inspected; no fee to be less than twenty-five (25) cents. Loss on Eggs to be computed upon the basis of thirty (30) dozen to the case.

RULE 10. The daily official quotation for eggs shall be determined by formal action and vote of members of the local merchants doing a commission business in eggs, assembled on 'Change, the Chairman being privileged to vote in each instance, the price so decided upon to be posted on the official bulletin board. In case of a tie vote the Committee on Egg Quotations shall decide. Members when voting will be governed by prices which are obtained on "the street" only. No member shall be entitled to vote who buys eggs in territory contiguous to Cincinnati, based on the Cincinnati quotation, for the purpose of shipping to other markets.

DESCRIPTION OF THE CLASSIFICATION FOR FRESH EGGS.

FIRSTS.—Firsts shall comprise fine marks of Eggs, fresh and reasonably clean; such stock as gives good satisfaction to consumers.

SECONDS.—Seconds shall comprise all stock that is merchantable, and inferior to Firsts.

THIRDS.—Thirds shall comprise all poor stock, in bad order, rotten, etc.; stock considered not really merchantable.

KNOWN MARKS.—Known Marks shall comprise such sorts as are well known to the trade under some particular designation or mark, and shall be of such quality as those familiar with the mark generally understand it to be in the season in which it is offered. The period at which Eggs are to be sold "at mark" or "loss off" to be regulated by the Egg Inspection Committee, and who must give seven days' notice when such rules shall take effect.

TO PASS.—Firsts, to pass at the marks, must not lose to exceed one (1) dozen to the case of thirty (30) dozen. Seconds, to pass at the marks, must not lose to exceed one and a half (1½) dozen to the case of thirty (30) dozen. But should Eggs inspect as Firsts or Seconds in quality, and the loss exceed the amount provided to pass at the marks, the seller shall lose such excess in loss.

DESCRIPTION FOR THE CLASSIFICATION OF LIMED AND COLD STORAGE EGGS.

EXTRAS.—Shall comprise the very finest marks of Limed or Cold Storage Eggs; bright, clean Eggs, put up in the finest manner, where every condition necessary to produce Fancy Limed or Cold Storage Eggs has been complied with.

FIRSTS.—Firsts shall comprise fine marks of Limed or Cold Storage Eggs, such as come in car-load, or smaller lots, and are packed in fine order and reasonably clean; such stock as gives good satisfaction to most consumers.

SECONDS.—Seconds shall comprise all stock that is merchantable and inferior to Firsts.

THIRDS.—Thirds shall comprise all poor stock, in bad order, rotten, etc.; stock not considered really merchantable.

To Pass.—To pass at the marks, the same rules shall govern as for fresh.

RULES GOVERNING THE FRUIT AND VEGETABLE TRADE.

APPLES.

RULE 1. Sales of Apples on Call shall represent not less than one hundred (100) barrels if from store, and straight lots on arrival at railroad or river in lots of not less than twenty-five (25) barrels in each shipment.

RULE 2. The different grades of Apples shall be known as Prime, Seconds and Rejected, which shall conform to the following description:

Prime shall be sound, of good size, well sorted, well packed, unmixed and fairly uniform throughout the package.

Seconds will represent small, sound, well packed fruit.

Rejected will embrace decayed, frosted or wormy fruit.

RULE 3. A barrel of Apples shall contain not less than two and three-quarters ($2\frac{3}{4}$) bushels.

PEACHES.

RULE 1. Sales of Peaches on Call shall be in lots of twenty-five (25) boxes or twenty-five (25) packages, or more.

RULE 2. The grades of Peaches shall be designated as No. 1, No. 2, No. 3, and Rejected, and shall conform to the following description:

No. 1 shall be sound, large, smooth, uniform in size and quality throughout the package.

No. 2 shall be of medium size, sound and reasonably uniform throughout the package.

No. 3 will consist of sound and mixed fruit.

Rejected will represent all grades below No. 3.

POTATOES.

RULE 1. Potatoes sold on Call shall represent only car lots, or straight lots on arrival at railroad or river amounting to twenty-five (25) barrels or sacks or more, in each shipment, and one hundred (100) barrels or sacks from store.

RULE 2. The grade of Potatoes shall be designated as Choice, Prime, Common and Rejected, and shall conform to the following description:

Choice shall be large, or fairly large, sound, smooth, unmixed, well sorted, and free from faulty and small potatoes.

Prime shall be sound, of fair size, well sorted and unmixed.

Common will embrace sound, mixed or small rough potatoes.

Rejected will embrace unsound and frosted stock.

RULE 3. A barrel of Potatoes shall contain not less than two and three-quarters ($2\frac{3}{4}$) bushels.

INSPECTION.

RULE 1. The Inspector shall, when called upon to act by any member of the Chamber, inspect any fruits or vegetables, and report the quality or grade, according to the rules.

RULE 2. Fees shall be regulated by the Board of Directors, and shall be paid by the party against whom the decision is rendered. An appeal from the decision of the Inspector can be made to the Inspection Committee.

RULE 3. The inspection fee shall be as follows: Potatoes, two (2) cents per barrel; on Apples, two (2) cents per barrel. No inspection less than fifty cents. Car lots in bulk, \$1.50 per car.

TARIFF OF CHARGES

FOR

STORAGE, COMMISSIONS, TARES, ETC.

ADOPTED BY THE BOARD OF DIRECTORS OF THE CINCINNATI CHAMBER OF COMMERCE
SEPTEMBER 10, 1888.

RATES OF STORAGE.

	1st Month.	2d Month.		1st. Month.	2d Month.
Apples, Green, per bbl.....	5c	4c	Canned Goods, 1 gal., per case.....	3c	2½
" Dried, per bbl.....	5	4	" " ½ gal., per case.....	2	1½
" Dried, per sack.....	3	2½	" " 3 lbs. (2 doz.), per case	2	1½
" Evaporated, per case.....	2	1½	" " 2 lbs. (2 doz.), per case	2	1½
" 1 gal., per case.....	2½	2	" " 1 lb. (2 doz.), per case	2	1½
" ½ gal., per case.....	2½	1½	Cement, per bbl.....	10	8
Ashes, Pots and Pearls, per tierce...	8	6	Cheese, per box.....	3	2
Bagging, per piece.....	5	4	Cider, per bbl.....	10	8
" per 100.....	5	4	Coal Oil, per bbl.....	12	10
" per 50.....	2½	2	Coffee, per bag.....	5	4
" per 35.....	2	1½	" 100 lbs., per case.....	5	4
" per 30.....	2	1½	" 60 lbs., per case.....	4	3
Bags, Gunny, per bale.....	15	15	Cotton Ties.....	2	1½
" Jute, per bale.....	10	8	Cotton Yarn, per bag.....	5	5
Seamless, per bale.....	5	4	Cranberries, per bbl.....	10	8
Barytes, per bbl.....	15	10	Crockery, per crate.....	30	25
Batting, 100 lbs., per bale.....	6	5	Currants, per cask.....	25	20
" 50 lbs., per bale.....	4	3	" per bbl.....	10	8
" 25 lbs., per bale.....	3	2½	Dried Fruit, per bbl.....	5	4
Beans (large), per sack.....	5	4	" " per sack.....	3	2½
" (small), per sack.....	3	2	Dry Goods, per case.....	15	15
" per bbl.....	6	5	" " per bale.....	10	10
Beef, per bbl.....	10	8	Earthenware, per cask or crate.....	50	50
" per tierce.....	12	10	Eggs, case, per season.....	35	
Bitters, 1 doz., per case.....	3	1½	Fish, per bbl.....	4	3
Boots and Shoes, per 100 lbs.....	10	10	" per ½ bbl.....	3	2
Borax, per bbl.....	8	6	Flour, per bbl.....	5	4
Bottles, per cask.....	50	40	" in sacks, reduced to barrels, same rate as barrels.		
" per tierce.....	40	35	Glass, Window, 400 bxs. in car, per box.....	2	2
" per bbl.....	10	8	" Window, 200 bxs. in car, per box.....	3	3
Broom Corn, per bale.....	15	10	" Window, 100 bxs. and less in car, per box.....	5	4
Brooms, per doz.....	5	4	" Window, very large, imported, per box.....	40	35
Buckets, per doz.....	5	5			
Butter, per bbl.....	15	15			
" in firkins or tubs, per 100 lbs., per season.....	40				
Candles, per box.....	2	1½			

	1st Month.	2d Month
Glassware, per cask.....	50c	50c
" per crate.....	50	50
" per tierce.....	15	10
" per bbl.....	5	4
" per case.....	8	4
Glucose, per bbl.....	15	12
Grain, in elevator, regular elevator charges.		
" in sacks, per sack.....	3	3
Hams, per tierce.....	10	8
Hay, per ton.....	\$1 00	75
" hard pressed, per bale.....	15	10
" loose pressed, per bale.....	15	12
Hemp, per bale (large).....	25	25
" per bale (small).....	15	15
Hides, dry, car-load lots, each.....	2	1½
" wet, car-load lots, each.....	3	2
" car load-lots, per bale.....	50	40
Highwines, per bbl.....	10	10
Hops, Domestic, per bale.....	20	15
" German, per bale.....	25	20
Horseshoes, per keg.....	5	5
Household Goods, furniture car.....	\$3 50	\$3 50
Iron and Steel, per 100 lbs.....	2	1½
Iron, Pig or Blooms, per ton.....	5	5
Kraut, per cask.....	25	20
" per bbl.....	15	10
" per ½ bbl.....	12	10
Lead, per 100 lbs.....	2	1½
Lead, White or Red, per 100 lbs.....	4	3
Leather, per roll.....	10	10
Lemons, per box.....	10	8
Lime, per bbl.....	6	6
Liquors, Foreign and Domestic, per ½ pipe.....	20	20
" Foreign and Domestic, per ½ pipe.....	10	10
" Foreign and Domestic, per bbl.....	10	10
Macaroni, per box.....	3	2
Merchandise of all kinds, not speci- fied, per 100 lbs.....	15	15
Mill Feed—Bran, Middlings, etc., per sack.....	4	3
Molasses, per bbl.....	10	8
Moss, per bale.....	20	15
Nails, per keg.....	3	2
Nuts, per bbl.....	6	4
" per sack.....	4	3
Oakum, per bale.....	3	3
Oil, per bbl.....	10	8
" Petroleum, per bbl.....	25	25
Onions, per bbl.....	5	4
" per sack.....	5	4
Oranges, per box.....	10	8
" per bbl.....	10	8
Paint, per bbl.....	12	10

	1st Month.	2d Month
Paper, per bundle.....	1c	1c
" News, rolls, per car.....	\$10 00	\$9 00
Peaches, Dried, per bbl.....	5	4
" " per sack.....	4	3
Peanuts, per bag.....	5	4
Peas, per bbl.....	5	4
" per sack.....	5	4
Pecans, per bbl.....	5	4
" per sack.....	4	3
Pepper, per package.....	4	3
Pickles, per bbl.....	10	9
" per ½ bbl.....	8	6
" gallon cases.....	3	3
" ½ gallon cases.....	2	2
" ¼ gallon cases.....	2	2
" pinta.....	2	2
Pimento, per package.....	4	3
Pitch, per bbl.....	6	5
Plaster, per bbl.....	10	8
Portland Cement.....	10	8
Potash, per box.....	1	1
Potatoes, per bbl.....	5	4
" per sack.....	4	3
Prunes, per cask.....	40	35
" per sack.....	5	4
Queensware, per cask.....	50	50
" per crate.....	50	50
Rags, per bale.....	50	50
Railroad Spikes, per keg.....	6	4
Raisins, per box.....	2	2
Rice, per bbl.....	8	6
" per sack.....	8	6
Rope, per coil (small).....	3	2
Rosin, per bbl.....	6	5
Salt, per bbl.....	5	4
" Turk's Island, per bag.....	3	3
" Liverpool, per bag.....	5	4
Saltpeter, per bag.....	4	3
Seed, Clover, per bag.....	3	3
" Timothy, per bag.....	3	3
" Flax, per bag.....	2	2
" Red Top, per bag.....	4	4
" Millet, per bag.....	4	3
" Hungarian, per bag.....	4	3
Shot, per keg.....	6	5
Soap, per box.....	2	2
" per case.....	2	2
Soda Ash, per cask (large).....	50	40
" " per cask (small).....	40	30
" " per tierce.....	30	25
Soda, Caustic, per drum.....	12	10
" Sal, per tierce.....	8	8
Starch, per box.....	2	2
" per bbl.....	5	4
" per crate.....	5	4
" per case.....	2	2
Stoves, large, each.....	35	30

	1st Month.	2d Month
Sugar, per bbl.....	6c	5c
" per hhd.....	30	25
Tallow, per bbl.....	12	10
Tar, per bbl.....	10	8
Tea, per chest.....	8	8
" per ½ chest.....	5	5
" per caddy.....	2	2
Tin, 20x28, per box.....	5	3
" 14x20, per box.....	2	2
" 14x14, per box.....	2	2
Tobacco, Leaf, per hhd.....	50	40
Tubs, per nest.....	5	4
" per doz.....	15	13
Turpentine, per bbl.....	15	12
" 10 gallons, per case.....	4	3
" 5 gallons, per case.....	3	3
Vinegar, per bbl.....	10	8
Whisky, per bbl.....	10	10

	1st Month.	2d Month
Whiting, per bbl.....	10c	8c
Wine, per cask.....	20	20
" per ¼ cask.....	10	10
" per case.....	3	3
Wool, per sack.....	12	10
Yarn, Wool and Cotton.....	12	10

EMPTY COOPERAGE.

Flour Barrels, each.....	2	2
Ham Tierces, each.....	3	3
Hogsheads, each.....	10	10
Lard Kegs, each.....	1	1
Lard Tierces, each.....	3	3
Molasses Barrels, each.....	3	3
Oil Barrels, each.....	3	3
Pork Barrels, each.....	3	3
Whisky Barrels, each.....	3	3

COMMISSIONS.

On sales of Flour, per bbl.....	10	cents.
On purchase of same, cash in hand, per bbl.....	5	"
On sales of Pork, Beef, Lard, Bacon, Tallow, Oils, Sugar, Molasses, Coffee and Cotton.....	2½	per cent.
Purchasing of the same, cash in hand.....	2½	" "
On sales of Hay, per ton.....	50	cents.
On sales of Domestic Liquors, of all kinds, excepting Whisky and Highwines.....	5	per cent.
On sales of Bourbon or Rye Whis- ky, in bond, per bbl*.....	50	cents.
On sales of Bourbon or Rye Whis- ky, tax paid, per bbl*.....	\$1.00	
On sales of Highwines, on account of distillers, per bbl.....	25	cents.
On sales of Live or Dressed Hogs.	2½	per cent.
On sales of Rye, Wheat and Corn, per bushel.....	1	cent.
On sales of Barley, per bushel....	2	cents.
On sales of Oats, per bushel.....	½	cent.
For use of sacks when furnished by consignee, for each ten days		

out, per bushel.....	1½	cents.
On Seed, Clover.....	1½	per cent
On Seed, Timothy.....	2	" "
On Seed, Flax.....	1½	" "
On Seed, Blue Grass.....	5	" "
On Seed, Herd Grass and Red Top.	5	" "
On Seed, Hungarian and Millet...	2½	" "
On Green Apples, per bbl.....	15	cents.
On Potatoes, per bbl.....	15	"
On Potatoes, in bulk.....	5	per cent
On purchase of same, cash in hand.	2½	" "
On sales of Butter and Cheese....	5	" "
On sales of Pig Iron or Blooms...	2½	" "
On sales of Cooperage.....	5	" "
On sales of all other articles of Produce and Merchandise....	5	" "
For guaranteeing Time Sales.....	2½	" "
For drawing and negotiating bills with indorsement.....	2½	" "
For adjusting insurance on losses, on amount received.....	2½	" "
For collecting moneys by legal process.....	2½ to 5	" "
For receiving and remitting money, including purchase of exchange	½	" "

CHARGES FOR CURING, PACKING, ETC., THE HOG PRODUCT.

PORK BUSINESS.	
Curing Meats in bulk (dry salt), per 1,000 lbs.....	\$3 00
Packing Pork, per bbl.....	2 00
Packing or trimming Pork or Beef in bar- rels, exclusive of barrels, salt and pickle, per bbl.....	45
Packing or trimming Pork or Beef in bar- rels, exclusive of barrels, salt and pickle, in ½ bbls.....	35

Packing Bulk Meat in hogsheads, exclusive of salt and hogsheads, per hhd.....	35c
Packing Bacon in hogsheads, exclusive of hogsheads, per hhd.....	35
Packing canvased Hams in tierces, exclusive of tierces and paper, per tierce.....	30
Packing Bacon in boxes, exclusive of boxes, per box.....	25
Packing English Meats in boxes, exclusive of boxes and salt, per box.....	50

* Adopted May 7, 1896.

Packing Hams in slack barrels, exclusive of barrels, per bbl.....	\$0 20
Clearing Clear Rib Sides, per 1,000 lbs.....	50
Receiving and bulking Cured Meats, per 1,000 lbs.....	1 25
Overhauling and rebulking Cured Meats, per 1,000 lbs.....	1 00
Smoking Dry Salted Meats, per 1,000 lbs...	1 50
Smoking Sweet Pickled Meats, per 1,000 lbs...	2 50
Curing Meats in sweet pickle, per 100 lbs...	1 00
Canvassing Sugar Cured Meats, exclusive of materials, per piece.....	2 ½
Weighing Bulk Meats or Bacon, per 1,000 lbs.	12 ½
Nailing, boring, weighing and marking tierces of same, per tierce.....	5
Nailing, boring, weighing and marking of same, per bbl.....	4

CHARGES FOR STORAGE OF THE HOG PRODUCT.

On Pork, where received, per bbl., first month, 8c.; each additional month, 5c.

On Lard, where received, per tierce, first month, 10c.; each additional month, 8c.

On Bulk Meats, where received, per 1,000 lbs., first month, 40c.; each additional month, 20c.

Storage to commence March 1st on all articles

made from hogs received and packed the regular way.

Where pieces are taken in to be cured, storage shall commence with the date of receipt of such pieces.

Bacon, per hogshead, 25c. per month.

Bacon, per ¼ hogshead and box, 15c. per month.

Hams, canvassed, each, 1c.

Insurance shall commence at the time the stuff is received, and rates charged shall be governed by the customary rules of insurance companies for short or long policies.

Commissions on sales, 2½ per cent.

COLD STORAGE CHARGES.

Pickled Meats, in tierces, 35c. per tierce for first month, and 25c. per tierce, per month, thereafter.

Dry Salt Meats, receiving, bulking, and one month storage, \$2 50 per 1,000 lbs.; each additional month, \$1 00 per 1,000; rebulking, \$1 25 per 1,000 lbs.

NOTE.—All goods, wares, or merchandise, left or consigned for sale, with or to Commission Merchants, and upon which cash advances have been made, are liable to be sold at any time, should it be necessary, in order to protect the advances made.

RATES OF CHARGES ON COTTON.

1st. The charge for insurance, drayage, labor and sampling, weighing, storage and commission on Cotton to be, in all, \$1 00 per bale, with additional charge for insurance of ½ per cent. per month, and storage of 15c. per bale, after first month, for each additional month.

2d. Regular rates of insurance, in transit, established by Board of Underwriters, to be charged.

3d. Interest at the rate of 6 per cent. per annum shall be charged on all advances of every character.

NOTE.—All shipments are covered by open policies of insurance, unless owners instruct otherwise at or before shipment; and in all cases where advances have been made, or shipments drawn against, the property is covered to the amount of such advances or drafts, without reference to instructions.

CHARGES FOR RECEIVING AND FORWARDING.

Whisky, Pork, Lard, Fish and Tallow, per bbl.	5c
Cotton, per bale.....	6
Flour, per bbl.....	8
Kegs of Lard and Butter, per keg.....	2
Hogsheads of Bacon and Tallow, per hhd...	10
Pork and Bacon, in bulk, per 1,000 lbs.....	10
Hats, Bonnets, Shoes and Feathers, per pkg.	5
Salt, per bbl.....	3
" per sack.....	2
Leaf Tobacco, per hhd. or box.....	20

Sugar, per hhd.....	15c
Molasses, per bbl.....	6
Beans, Dried Apples and Peaches, per pkg..	5
Pig Iron, per ton.....	20
All other articles of Produce or Merchandise, per 100 lbs., including transfer....	10
For advancing charges and freight....	2 per cent.

NOTE.—All actual charges incurred, including drayage, insurance, cooerage or storage, are to be added to the above rates.

TARES.

Sugar, in hogsheads.....	12 per cent.
Indigo, in ceroon.....	11 " "
Salt, per bbl. (280 lbs.).....	20 pounds.
" per bbl. (7 bush.).....	25 " "

Cotton, Feathers, Salt in bags, and Spices.....	No tare.
All other articles in hogsheads, casks, tierces, barrels, kegs or boxes, not enumerated.....	Actual tare.

WEIGHTS.

Standard weights, in the absence of contracts, of various commodities, adopted by the Board of Directors of the Cincinnati Chamber of Commerce and Merchants' Exchange, April 3, 1888:

	BUSHEL.		BUSHEL.
Apples, Dried.....	25 lbs.	Seed, Clover.....	60 lbs.
Barley.....	48 "	" Flax.....	56 "
Barley Malt, including weight of sacks.....	34 "	" Hemp, Imported.....	40 "
Beans.....	60 "	" Hemp, Domestic.....	44 "
Buckwheat.....	50 "	" Hungarian.....	48 "
Chestnuts, as to dryness.....	50@56 "	" Lawn Grass.....	16 "
Corn in ear, 70 lbs., until changed by		" Millet, Common.....	50 "
Board of Directors to.....	68 "	" Millet, German.....	50 "
Corn, Shelled.....	56 "	" Orchard Grass.....	14 "
Corn Meal.....	50 "	" Osage Orange.....	33 "
Hair, Plastering.....	8 "	" Sorghum.....	50 "
Hominy.....	60 "	" Red Top.....	14 "
Lime.....	70 "	" Timothy.....	45 "
Oats.....	32 "	" Turnip.....	50 "
Onions.....	56 "	" Rape.....	50 "
Onion Sets, Top.....	28 "	Wheat.....	60 "
" " Bottom, Struck Measure.....			TON.
Peas, Dried.....	60 "	Broom Corn.....	2,000 lbs.
Peanuts.....	22 "	Bran, Shipstuff and Middlings.....	2,000 "
Potatoes.....	60 "	Coal.....	2,000 "
" Sweet.....	50 "	Coke.....	2,000 "
Rye.....	56 "	Hemp.....	2,240 "
Salt.....	*50 "	Iron, Pig, chill mould.....	2,240 "
Seed, Blue Grass, Kentucky.....	14 "	" Pig, sand mould.....	2,268 "
" Blue Grass, English.....	24 "	" Pig, blooms.....	2,464 "
" Broom Corn.....	46 "	" Ore.....	2,240 "
" Castor Beans.....	46 "	" Scrap.....	2,000 "

* This, as adopted on April 3, 1888, was 56 pounds, but was changed to 50 pounds April 17, 1888.

MEMBERS
OF THE
CINCINNATI CHAMBER OF COMMERCE
AND
MERCHANTS' EXCHANGE.

MAY 2, 1905.

MEMBERS OF THE CINCINNATI CHAMBER OF COMMERCE AND MERCHANTS' EXCHANGE.

MAY 2, 1905.

NOTE.—The first column indicates the number of the Certificate of Membership; where a blank exists therein, the membership has no certificate. Where an official title in italics is annexed to a name, in the column under the head of "Name," such title, with the title of the corporation following, may not express the present official relations of the member, inasmuch as this shows only the manner in which the name appears in the Certificate of Membership, which is not changed till transferred on the books of the Chamber of Commerce under the name, though the official relations of the member to the corporation may have previously changed or actually terminated.

No.	NAME.	FIRM.	BUSINESS.	LOCATION.
1368	Adam, Henry.....	C. C. C. & St. L. Ry. Co.....	Brewer.....	Camp Washington, City.
4417	Adams, Charles F.....	Hoffman-Ahlers Co.....	Contracting Agent.....	37 Ingalls Building.
2777	Ahlers, George F.....	C. Schmidt & Co.....	Cincinnati Copper Works (Pres't). Butchers' Supplies.....	830 E. Pearl st.
3942	Ahrens, John H.....	Louisville & Nashville R. R.....	Local Freight Agent.....	S. E. c. John and Livingston sts. Front and Butler sts.
3825	Alexander, W. W.....	Allen & Munson.....	Flour, Grain and Commission.....	910 First National Bank Bldg.
2182	Allen, John H.....	C. H. & D. Ry. & Pere Marquette System.	Southern Agent.....	Carew Building.
4620	Allen, Stuart A.....	The John H. Hibben Dry Goods Co.	President.....	N. E. c. Seventh and Walnut sts.
380	Allen, Thomas W.....	The Alms & Doecke Co.....	Dry Goods.....	Main and Canal sts.
3281	Alms, William H.....	Alter, McCaffrey Co.....	Shoe Mantra. (President).....	416 E. Eighth st.
4226	Alter, Franklin.....	The Jung Brewing Co.....	President.....	2011 Freeman ave.
4190	Andreas, Percy.....	J. Walker Brewing Co.....	Secretary and Treasurer.....	1125 Sycamore st.
1475	Andrew, Charles.....	P. Andrew & Co.....	Grain Commission, Malsters.....	901 & 903 E. Front st.
1474	Andrew, Frank.....	The Union Distilling Co.....	Broker.....	1010 Richmond st.
4434	Angert, W. L.....	Phoenix Graie and Stock Exchange.	Doorkeeper.....	315 Vine st.
4217	Applegate, Lewis L.....	Cincinnati Chamber of Commerce.	Fire Marshal.....	Chamber of Commerce Bldg. Sixth st., near Vine.
3725	Archibald, Robert J. H.....	Cincinnati Fire Department.....	Division Freight Agent.....	501 Chamber of Commerce Bldg.
4345	Archibald, John A.....	Louisville & Nashville R. R. Co.....	Contracting Agent.....	S. E. cor. Fifth and Vine sts.
3743	Armstrong, A. E. (Honorary).....	Louisville & Nashville R. R. Co.....	Local Freight Agent.....	Front and Mill sts.
1670	Arnold, Brent, <i>General Agent</i>	Cin. New Orleans & Tex. Pacific Ry..	President.....	2613-2631 Spring Grove ave.
4506	Arnold, E. C.....	Warner Elevator Mfg. Co.....		
2286	Arnold, J. M.....			
3718	Atkins, Charles H. M.....			
4559	Bailey, Charles S.....	Cincinnati Transfer Co.....		57-58 Mitchell Building.
1343	Bailey, Samuel, Jr.....	Cincinnati Transfer Co.....	President.....	57-58 Mitchell Building.
181	Beard, Albert B.....	James A. Baird & Co.....	Wholesale Fruits.....	126 E. Front st.
4401	Balke, R. F.....	Live Oak Distillery Co.....	Distillers.....	317-321 Sycamore st.

2853	Ballmann, F. H.	Irwin, Ballmann & Co.	Note, Stock and Bond Brokers.	390 Walnut st.
4212	Banning, Leland G.	C. H. & D. Ry. & Pere Marquette System.	Lumber.	S. W. cor. Fifth and Main sts.
4306	Barnard, Charles A.	Adams Express Co.	Local Freight Agent.	Sixth and Baymiller sts.
4363	Barrett, Charles F.	John Barrett & Son.	Agent.	416 Main st.
4268	Barrett, George Johnston.	John Barrett & Son.	River Transportation.	513 Chamber of Commerce Bldg.
2326	Barrett, Oscar F.	The Barron-Boyle Co.	River Transportation.	513 Chamber of Commerce Bldg.
4493	Barron, Edward.	The Barron-Boyle Co.	Paints and Glass.	230 E. Fifth st.
2636	Bauer, Jacob M.	The Bauer Coöperage Co.	Coal (Manager).	Lawrenceburg, Ind.
4234	Bauer, Jacob P.	W. H. Brown's Sons.	Contractor.	Front and Lawrence sts.
2004	Bauer, John G.	The Bauer Coöperage Co.	Provisions and Lard.	Lawrenceburg, Ind.
2056	Bauer, Morris.	Armcoast, Riley & Co.	Carpenier and Builder.	425 Bauer ave.
4477	Becker, Harry J.	A. Bender & Co.	Hay and Grain.	113 E. Front st.
1425	Beggs, John.	C. H. & D. Ry. & Pere Marquette System.	Passenger Agent.	Terre Haute, Ind.
2190	Behrens, Henry.	Bennett & Witte.	Lumber.	15 E. Baker st.
3894	Bender, Andrew.	Eureka Fire and Marine Ins. Co.	Secretary.	511 Chamber of Commerce Bldg.
4548	Benedict, Paul C.	with Fourth National Bank.	Flour, Grain and Mill Feed.	S. E. cor. Fifth and Walnut sts.
3327	Beneker, Henry W.	Bennett & Witte.	Produce Commission.	N. E. cor. Third and Walnut sts.
3316	Bennett, W. A.	with Strobridge Lithographing Co.	Solicitor.	222 W. Fourth st.
3870	Benningshofen, August.	Eureka Fire and Marine Ins. Co.	Coal, Lime and Cement.	Hamilton, O.
4494	Benus, Adam.	with Strobridge Lithographing Co.	Secretary.	121 E. Third st.
3704	Berding, Henry N.	Bergewisch & Becky.	Produce Commission.	708 Washington st., Covington.
4373	Bergewisch, Fred.	Rheinstrom, Bettman, Johnson & Co.	Attorney at Law.	108-118 W. Canal st.
3782	Bernstein, Samuel.	Cincinnati Union Stockyards.	Liquors.	41 Atlas Bank Building.
2839	Bettinger, Albert.	Cin. New Orleans & Tex. Pacific Ry.	General Freight Agent.	904-910 Sycamore st.
3959	Bettman, Morris L.	W. C. Biles & Co.	Commission, Whisky.	Spring Grove ave.
4269	Biggs, N. H.	J. M. Blair Brick Co.	Manager.	Ingalls Building.
3171	Biles, George P.	W. W. Blair & Co.	Brokerage and Commission.	313 Vine st.
3366	Biles, William C.	The Pounford Stationery Co.	Blank Books, Stationery and Printing.	2345 Kenner Lane.
2018	Bishop, Daniel L.	Western Union Telegraph Co.	Merchant Tailor and Clothier.	51 Builders' Exchange.
4456	Blair, J. Milton.	Abe Bloch & Co.	Clothiers.	2335 Park ave.
3506	Blair, John M.	Union Central Life Insurance Co.	Agent.	119 E. Second st.
2336	Blair, William W.	Elias Block & Sons.	Wholesale Liquors.	131-135 E. Fourth st.
4118	Blase, Louis H.	Leon Block.	Wholesale Liquors.	534 Madison ave., Covington, Ky.
3134	Blase, Henry F.	Great China Tea Co.	Grocers.	N. E. cor. Fourth and Vine sts.
4495	Bliss, Robert C.	Elias Block & Sons.	Wholesale Liquors.	810 & 812 Main st.
2092	Bloch, Abe.	Blome & Dreifus.	Produce Commission.	S. W. cor. Fourth and Race sts.
4427	Bloch, Sol.	Glas, Bloom & Co.	Live Stock Dealer.	511 Union Trust Building.
878	Bloch, Joseph E.		Fruit, Produce Commission.	511 Union Trust Building.
3463	Bloch, Leon.		Commission, Grain.	11 Vine st.
875	Bloch, Louis T.			511 Union Trust Building.
4416	Bloch, M. H.			1010 Race st.
876	Bloch, Samuel.			Eggleston Avenue Stockyards.
4006	Blome, Fred. H.			115 & 117 E. Front st.
3911	Blong, Thomas.			7 Mitchell Building.
2709	Bloom, Abraham.			
4302	Blumenthal, Max.			

*Deceased.

MEMBERS OF THE CINCINNATI CHAMBER OF COMMERCE AND MERCHANTS' EXCHANGE.—CONTINUED.

No.	NAME.	FIRM.	BUSINESS.	LOCATION.
713	Bohrer, George H.	German National Bank.	President.	S. E. cor. Third and Walnut sts.
4479	Borgmann, Harry J.	Harry J. Borgmann & Co.	Hay and Grain.	1211 W. Sixth st.
2630	Born, Samuel.	The Samuel Born Co.	Coal.	Lafayette, Ind.
73	Boss, Christian, <i>President</i>	Gambrinus Stock Co.	Brewing.	Sycamore and Abigail sts.
74	Boss, C. W., <i>Secretary</i>	Gambrinus Stock Co.	Brewing.	507-509 Chamber of Com. Bldg.
3945	Boswell, William.	Security Mutual Life Insurance Co.	Agency Director.	42 E. Fourth st.
4326	Bowman, Robert B.	Star Union Line.	Fast Freight Line (Agent).	42 E. Fourth st.
3291	Boyd, James N.	James N. Boyd & Co.	Tobacco.	Richmond, Va.
63	Bradbury, George S.	Cincinnati Chamber of Commerce.	Chief Clerk.	Chamber of Commerce Bldg.
3586	Braemer, Theodore.		Commission, Live Stock.	Lenox Place, Avondale.
1269	Bramble, A. L.	Consolidated Coal and Mining Co.	Secretary.	Stockton, Butler Co., O.
3952	Brashear, John.		Flour and Lard.	8 Mitchell Building.
3487	Brauer, Frederick A.		Hay and Grain.	848 W. Sixth st.
4333	Braun, Andrew M.	Braun & Kipp.	Hay and Grain.	Sixth and Evans sts.
3640	Breckount, George S.	Chicago, Indianapolis & Louisv. Ry.	Commercial Agent.	S. E. cor. Fifth and Walnut sts.
3610	Breed, William J.	The Crane & Breed Mfg. Co.	President.	1213-1259 W. Eighth st.
4478	Breese, John E.	J. E. Breese & Bro.	Wholesale Roofing Materials.	405 Central ave.
4474	Brent, William Y.	Cumberland Gap Dispatch.	Soliciting Agent.	S. E. cor. Fifth and Vine sts.
94	Breuer, C. C.	Edgemont Springs Distilling Co.	Real Estate.	303 W. Third st.
3985	Brinkmann, Edward H.	C. C. C. & St. L. Ry. Co.	Vice-President.	Carthage, O.
4413	Brister, Charles J.	Bronwell & Bruce.	Asst. Gen'l Freight Agent.	Big Four Office Building.
4182	Bronwell, J. H.	The Coney Island Co.	Attorneys at Law.	16 Masonic Temple.
2058	Brooks, Levi H.		President.	1008 First National Bank Bldg.
3937	Brossenne, William G.		Flour, Grain, Hay and Feed.	1320 Madison av., Covington, Ky.
4523	*Brower, Charles M.	Henry W. Brown & Co.	Flour and Grain.	842 W. Sixth st.
3339	Brown, Henry W.		Live Stock Brokers.	42 E. Fourth st.
2194	Brown, L. F.	L. F. Brown & Co.	Manager.	2740 Spring Grove ave.
837	Brown, Faris C. (Honorary)	Consolidated Boat Store Co.	Hay, Grain and Feed.	222 & 224 Public Landing.
4281	Brown, William L.	Brown & Patterson.	Cashier.	1521-1527 Eastern ave.
3784	Brown, W. W.	Merchants National Bank.	Receivers.	Ingalls Bldg., Fourth & Vine sts.
4139	Broxterman, John G.	The Foss-Schneider Brewing Co.	Gen'l Mgr. Home Life Ins. Co. of N. Y.	943-951 Freeman ave.
1926	Bruckmann, William M.	Bruckmann Brewing Co.	Real Estate and Loans.	Cumminsville, City.
2675	Bruehl, W. A. R.	W. A. R. Bruehl & Co.		222 W. Fourth st.
2767	Buckner, W. T.			221 E. Fourth st.
4466	Budd, Clifford M.	A. R. Budd Coal Co.	Brewers Supplies and Machinery.	Conestoga Bldg., Pittsburgh, Pa.
979	Budd, Peter R.	Cincinnati Bung-Bush Co.	President and General Manager.	1286 & 1288 Richmond st.
4255	Buhrman, Edward R.	Cincinnati Coopersage Co.	President.	Cincinnati, O.
731	Buhrman, Louis H.	Bullock Electric Mfg. Co.	Hay and Grain.	Norwood, O.
3541	Bullock, George.	Empire Line.	Agent.	1614 Westwood av., Fairmount.
2639	Bunke, Barney.	Procter & Gamble Co.	Assistant to General Manager.	Ingalls Building.
4425	Burbank, William F.			United Bank Building.
4451	Burchenal, John J.			

4317	Burckhardt, Horatio W.	Burckhardt & Co.	Oils and Lard.	323 Sycamore st.
1633	Burckhardt, Rufus	Burckhardt & Co.	Oils and Lard	323 Sycamore st.
4465	Burger, Carl F.	Burger Brothers.	Hops, Malt and Brewers' Supplies.	83 E. McMicken ave.
3116	Burger, Charles			1743 E. McMillan st.
4597	Burkam, Charles B.			1350 E. McMillan st.
3264	Burnside, E. A.	with the Campbell's Creek Coal Co.	Coal and River Transportation.	Point Pleasant, W. Va.
4568	Buse, Lewis J.	with Union Grain & Hay Co.	Salesman	Rawson Building.
1428	Byrne, John.	Interior Construc'n & Improv'mt Co.		45 Wall st., New York City.
4137	Caldwell, Richard F.	Covington Fruit House.	Fruits and Cold Storage.	424 Scott st., Covington, Ky.
569	Calvert, William H.	Merchants & Manufacturers Ins. Co.	President.	404 First National Bank Bldg.
4578	Camerer, William	A. Schmitt & Co.	Flour and Commission.	850 W. Sixth st.
3679	Campbell, B. W.	The Perkins-Campbell Co.	Harness and Saddlery (President).	622-626 Broadway.
2873	Cannon, I. James.	I. J. Cannon & Co.	Produce Commission.	110 E. Front st.
1810	Carpenter, William B.	The W. B. Carpenter Co.	Blank Books, Stationery and Printing	310-314 Walnut st.
3759	Carr, Winfield S.	with Procter & Gamble Co.	Coal Gauger.	S. E. c. Front and Lawrence sts.
4586	Chapman, Samuel C.	Third National Bank.	Whig.	Ivorydale, O.
4575	Chase, Charles C.	Chatfield & Woods Co.	Vice-President.	14-18 W. Fourth st.
3341	Chatfield, A. H.		Paper Dealers.	347-351 W. Fourth st.
1883	Chisman, Homer.		Grain and Hay Inspector.	1286 W. Sixth st. & Cham. of Com.
427	Christy, H. N.		Grain and Hay	Room D, Cham. of Com. Bldg.
3153	Clancey, J. B.	Cin. New Orleans & Tex. Pacific Ry.	Commercial Agent.	N. W. cor. Fourth and Vine sts.
4431	Clarkson, Austin E.	Clarkson & Clarkson.	Whisky.	32 Carew Building.
4607	Coffin, Charles W.	Pomeroy Salt Association.	Agent.	Pomeroy, O.
4522	Collings, C. T.	The Cincinnati Elevator Co.	Superintendent.	932 & 934 W. Fifth st.
1757	Collins, F. F.	Standard Oil Co.	Vice-President.	106-109 E. Pearl st.
3410	Collins, James A.	Collins & Co.	Hay and Grain.	222 W. Fourth st.
3351	Collins, John E.	The Cincinnati Street Railway Co.	Secretary.	Telephone Building.
4237	Collins, John E., Jr.	with Collins & Co.	Hay and Grain.	222 W. Fourth st.
4549	Collins, Percy B.	with Collins & Co.	Bookkeeper	222 W. Fourth st.
59	Collins, Val. P.	Collins & Hartweg Co.	Coal and River Transportation.	Foot of Race st.
4412	Comstock, Frank D.	C. C. C. & St. L. Ry. Co.	Local Treasurer.	Big Four Office Building.
4472	Connor, T. A.	C. C. C. & St. L. Ry. Co.	Local Agent.	Pearl and Central ave.
3107	Corbin, H. F.	H. F. Corbin & Co.	Whiskies.	425 E. Pearl st. (P. O. Box 95).
4374	Costello, Joseph F.	with Union Grain and Hay Co.	Salesman	Rawson Building.
3127	Cowling, Rufus A.	Harkness, Cowling & Co.	Manufacturers of Candles.	513-519 Eggleston ave.
4423	Cox, Alfred H.		Purchasing Agent, B. of P. S.	City Hall.
212	Crail, Walter B.	Monong'la Riv. Con. Coal & Coke Co.	Sales Agent.	S. E. c. Front and Lawrence sts.
3675	Crane, Clinton	C. Crane & Co.	Wholesale Lumber.	1739 Eastern ave.
3703	Crowthers, R. C.	The Pocahontas Co.	Coal (Salesman).	575 Reading Road.
4593	Cullen, T. J.	Burnet House Co.	Manager.	N. W. cor. Third and Vine sts.
4283	Cunningham, A.	Luhrig Coal Co.	President and Gen'l Manager.	N. E. cor. Fourth and Plum sts.
147	Cunningham, Briggs S.	Citizens National Bank.	President.	United Bank Building.
4337	Curran, James H.	James H. Curran Elevator Co.	Manufacturer of Elevators.	114 & 116 W. Second st.

* Deceased.

MEMBERS OF THE CINCINNATI CHAMBER OF COMMERCE AND MERCHANTS' EXCHANGE.—CONTINUED.

No.	NAME.	FIRM.	BUSINESS.	LOCATION.
131	Dair, Charles E.	Dair Bros.	Millers	Harrison, O.
130	Dair, William	Dair Bros.	Millers	Harrison, O.
4400	Dalton, H. M.	Consolidated Time Lock Co.	Manfrs. of Time Locks, etc.	315 & 317 W. Fourth st.
4315	D'Amour, C. J.	Southern Railway	Commercial Agent	204 Neave Building.
4395	Dana, E. O.	Campbell's Creek Coal Co.	Miners and Shippers of Coal	311 Mercantile Library Bldg.
52	Dana, S. F.	Campbell's Creek Coal Co.	Miners and Shippers of Coal	311 Mercantile Library Bldg.
3381	Daniel, L. B.	Early & Daniel Co. (Sec'y & Treas.)	Hay and Grain	N. W. cor. Sixth and Harriet sts.
4386	Dare, S. H.	Atlantic Coast Line R. R.	General Western Freight Agent	507-508 Union Trust Building.
2595	Davis, John C.	First National Bank	Tobacco and Cigars	412 Vine st.
4498	Davis, Thomas J.	Cincinnati Railroad Omnibus Co.	Cashier	First National Bank Building.
3449	Davis, Wallace M.		Superintendent	19 Opera Place.
76	Davis, William H.		Real Estate	41 E. Fourth st.
434	Debar, Joseph	J. Debar & Co.	Wholesale Liquors	38 Vine st.
4576	DeCamp, A. J., General Agent.	Peck-Williamson Heat. & Vent. Co.	Vice-President	335-339 W. Fifth st.
1669	Deleignore, Fedele	Liverpool & London & Globe Ins. Co.	Foreign Fruits	114 & 116 E. Front st.
2967	DeMole, John J.	F. Deleignore & Co.	Salesman	Sixth and Carr sts.
4469	Dernham, Abraham L.	with H. J. Good & Co.	Whisky Commission	243 Main st.
4279	Dewey, Joseph S.	M. Dernham & Son	Hay, Grain, Flour, Feed, etc.	Blanchester, O.
3908	Dickinson, William S.	Dewey Bros. Company		P. O. Box 283, Cincinnati.
4343	Dickmeier, Louis	Dickmeier Bros.	Hay, Grain and Feed	3710 Spring Grove ave.
1932	Diem, Frederick J.	Diem & Wing Paper Co.	Paper Dealers	Eighth and Eggleson ave.
1991	Dieterle, George F.	Union Distilling Co.	Secretary and Treasurer	1009-1010 Richmond st.
1589	Dillaby, James		Insurance	1201 First National Bank Bldg.
4539	Dillman, J. H.		Public Weigher	1221 W. Sixth st.
4599	Doepke, William L.	The Alms & Doepke Co.	Dry Goods	Main and Canal sts.
2541	Dolph, A. M.	The Dorsel Co.	Millers; also Grain, Hay and Feed.	3483 Evans Place, Clifton.
4619	Dorsel, John H.	The Dorsel Co.	Millers; also Grain, Hay and Feed.	1108 Monmouth st., Newport, Ky.
2592	Douglass, Howard	Illinois Central R. R.	Attorney at Law	1108 Monmouth st., Newport, Ky.
4365	Downing, Walter E.	Cincinnati Zoological Co.	Commercial Agent	S. W. cor. Fourth and Main sts.
4489	Druper, Walter A.	with S. J. Patterson	Secretary and Treasurer	423 Vine st.
4301	Dreese, Harry J.	Blome & Dreifus	Coal	Head of Vine st.
3987	Dreifus, David S.		Produce Commission	Dayton, O.
4141	Drucker, Frederick	N. Drucker & Co.	General Contractor and Coal Dealer	1010 Race st.
2206	Dunholter, Nathan	J. H. Dunholter & Co.	Trunks and Bags	Hone City, O.
1293	Durner, M.	M. Durner & Co.	Provisions, Flour and Grain	N. W. cor. Ninth and Broadway.
380	Dykens, Robert A.	Robert A. Dykins & Co.	Commission, Whisky	55 Walnut st.
41	Dymond, Richard		Barley, Malt and Oats	219 E. Third st.
18			Manager, Glenn Estates	Chamber of Commerce.
				240 E. Fourth st.

4165	Earle, James T.	Chesapeake & Ohio Ry. Co.	Local Freight Agent.	525 W. Fourth st.
2527	Early, H. Lee	Early & Daniel Co. (President)	Hay and Grain	N. W. cor. Sixth and Harriet sts.
4379	Eberle, Samuel A.	Christ. Eberle Sons.	Produce Commission	206 W. Sixth st.
77	Ebersole, William V.	W. V. Ebersole & Co.	Real Estate	240 E. Fourth st.
4197	Egan, Thomas P.	J. A. Fay & Egan Co.	Woodworking Machinery	Front and John sts.
4169	Eggers, John	Elsas & Pritz	Livery Stable and Street Sprinkling	951-957 Curtis st.
1902	Eisfelder, H. A.	Elsas & Pritz	Hops, Malt and Brewers' Supplies	214 & 216 E. Court st.
4388	Eisfelder, Murray	Elsas & Pritz	Hops, Malt and Brewers' Supplies	214 & 216 E. Court st.
3027	Elberg, F. W.	Greene & Embury	Feed Store	Elmwood Place, O.
2025	Ellis, James W.	Thomas Emery's Sons	Grain and Hay	512 Chamber of Commerce Bldg.
3887	Ellison, J. F.	The Interstate Grain Co.	Superintendent	204 E. Front st.
4372	Ellison, Richard	Cincinnati Equitable Insurance Co.	Coal and Coke	First National Bank Building
883	Elsas, Lewis	C. G. Blake & Co.	Hops, Malt, and Brewers' Supplies	214 & 216 E. Court st.
3283	Embry, Talton	Elsas & Pritz	Live Stock Commission	Cincinnati Union Stockyards
4514	Emery, Thomas J.	Greene & Embury	Real Estate & Investment Securities	Mercantile Library Building
4590	Emmert, Frederick L.	Thomas Emery's Sons	Brewers' Grain (Cattle Feed)	1924 Pleasant st.
1977	Emrick, Clyde S.	The Interstate Grain Co.	Hay and Grain	65 Mitchell Building
4065	Erkenbrecher, A. G.	Cincinnati Equitable Insurance Co.	Real Estate, Loans, Investments	1315 Union Trust Building
3435	Ernst, Edward H.	Covington Savings Bank & Trust Co.	Secretary and Treasurer	38 E. Third st.
4446	Eshelby, E. O.	The Commercial Tribune	President	Covington, Ky.
645	Espy, James	Patterson & Evans	Banker	Commercial-Tribune Building
1857	Evans, Arthur O.	Mt. Carbon Company (Ltd.)	General Commission	3798 Clifton ave.
4307	Evans, David T.	Interstate Grain Co.	Coal and Coke	52 Vine st.
4583	Evans, Harry T.	The Ezekiel & Bernheim Co.	Hay and Grain	Powellton, W. Va.
3089	Eversman, J. F.	The Ezekiel & Bernheim Co.	Live Stock Reporter	65 Mitchell Building
1658	Ezekiel, Henry C.	The Ezekiel & Bernheim Co.	Auctioneers and Commission	Cincinnati Union Stockyards
4043	Ezekiel, Walter A.	The Ezekiel & Bernheim Co.	Auctioneers and Commission	334 Main st.
1538	Fairley, William	New River Con. Coal & Coke Co.	Member, Board of Public Safety	2819 Park ave., Wal. Hills, City.
3737	Faran, James J.	J. H. Fedders & Sons	Traffic Manager	Sixth st., near Vine.
4570	Farrell, Thomas F.	The Fells Flour Milling Co.	Flour, Feed and Grain	142 Ingalls Building
2558	Fedders, John H.	The Fells Flour Milling Co.	President	420 Pike st., Covington, Ky.
2483	Fells, Theobald, Jr.	American Valve & Meter Co.	Hay and Grain	N. W. c. Third and Baymiller sts.
4556	Fenner, N. Paul, Jr.	Early & Daniel Co. (Vice-President)	Manager	N. W. c. Third and Baymiller sts.
4610	Ferger, August	Cincinnati Car Service Bureau	Superintendent, Bottling Dep't	1119-1125 Sixth st.
3981	Fetter, O. G.	Christian Moerlein Brewing Co.	Flour	N. W. cor. Sixth and Harriet sts.
3867	Ficke, George A.	The American Cotton Oil Co.	Vice-President	10 Carew Building
4049	Ficker, Ben	Cincinnati Industrial Bureau	Secretary	2019-2021 Elm st.
3645	Field, Walter H.	Finke & Schwieler	Produce Commission	11 Jordan st.
83	Finch, Will L.	Norfolk & Western Railway	General Agent	441-465 E. Sixth st.
4420	Finke, H. J.			501 Union Trust Building
3988	Finkle, L. V.			1008 Race st.
4335				45 E. Fourth st.

MEMBERS OF THE CINCINNATI CHAMBER OF COMMERCE AND MERCHANTS' EXCHANGE.—CONTINUED.

No.	NAME.	FIRM.	BUSINESS.	LOCATION.
3972	Fish, Charles E., Jr.	B. & O. S-W. Ry. Co.	Local Freight Agent.	Second and Smith sts.
1310	Fisher, Charles S.	J. W. Fisher & Co.	Grain and Hay Commission.	116 & 118 E. Water st.
4124	Fisher, John W.	Shollenbarger & Fisher.	Grain.	Collinsville, Butler Co., O.
592	Fisher, John W.	J. W. Fisher & Co.	Grain and Hay Commission.	116 & 118 E. Water st.
3980	Fitzgerald, John S.	C. C. C. & St. L. Ry. Co.	Contracting Agent.	37 Ingalls Building.
3969	Fleischmann, Julius.	Fleischmann & Co.	Distillers.	N. W. cor. Plum and Perry sts.
4290	Fleischmann, Max C.	Fleischmann & Co.	Distillers.	N. W. cor. Plum and Perry sts.
1190	Fleming, F. E.	Ellis & Fleming.	Grain and Hay.	512 Chamber of Commerce Bldg.
315	Flemming, R. H.	Southern Contracting Co.	Lumber, Sand and Real Estate.	Ludlow Ky.
3118	Fletcher, Victor.	The Mihalovitch-Fletcher Co.	Wines and Liquors.	514-518 E. Pearl st.
4615	Flint, William H.	Flint & Co.	Coal Miners and Shippers.	Pittsburgh, Pa.
666	Folsom, Richard.	Consolidated Coal and Mining Co.	Vice-President.	8 Mitchell Building.
4433	Forker, J. B., Jr.	The Cincinnati Traction Co.	Manager.	Traction Building.
1989	Ford, Collin.	Ætha Life Insurance Co.	Insurance.	504-512 Com'l-Tribune Bldg.
2857	Fortney, P. R.	The Forwood Shoe Mfg. Co.	President.	Masonic Temple.
3170	Forwood, W. H.	The Stearns & Foster Co.	Mfrs. of Wedding and Bunting.	22 W. Third st.
348	Foster, Seth C.	Foulds Milling Co.		114-120 E. Canal st.
4536	Foulds, Colburn S.	Foulds Milling Co.		1225-1235 Budd st.
2517	Foulds, Frank W.	Foulds Milling Co.		1225-1235 Budd st.
3623	Foulds, Harry G.	Foulds Milling Co.		1225-1235 Budd st.
3300	Fox, Frank.	Fox & Jewell.		3128-3138 Spring Grove ave.
4147	Frazer, E. S.		Commission, Horses and Mules.	Chamber of Commerce.
4173	Frazer, Harry E.		Stocks, Grain and Provisions.	Harrison, O.
4044	Frederick, Robert G.	Kiewit & Frederick	Miller and Grain Dealer.	206 E. Front st.
2342	Freiberg, Abraham.	J. & A. Freiberg.	Wholesale Liquors.	206 E. Front st.
2393	Freiberg, Joseph.	J. & A. Freiberg.	Wholesale Liquors.	52 Main st.
4321	Freiberg, Henry.	Freiberg & Kabin.	Distillers.	216-220 Public Landing.
852	Freiberg, Julius (Honorary).	Freiberg & Workum.	Distillers.	216-220 Public Landing.
2179	Freiberg, J. Walter.	Freiberg & Workum.	Distillers.	56 & 58 Main st.
2466	Freiberg, Maurice J.	Freiberg & Workum.	Wholesale Liquors.	56 & 58 Main st.
4398	Freiberg, Sigmund.	Sig. & Sol. H. Freiberg.	Wholesale Liquors.	316 & 318 W. Seventh st.
4398	Freiberg, Solomon H.	Sig. & Sol. H. Freiberg.	President.	1213-1217 W. Liberty st.
4127	French, Tilden R.	French Bros. Dairy Co.	Pork and Beef Packer.	3636 Washington av., Avondale.
4571	Freund, Ernst Adolph.		Chemical Works.	812-316 E. Second st.
3064	Frey, John H.	Alex. Fries & Bros.	Foundry Supplies.	641-647 Evans st.
3158	Fries, Gustave R.	The S. Obermayer Co.	Live Stock Dealer.	Bridgetown, O., P. O. Sta. L. Cin.
4415	Frohman, Harry F.		Commission, Produce.	228 & 230 W. Sixth st.
2022	Frondorf, George.	Funk Bros.	Public Weigher.	Harrison av. and B. & O. S-W. Ry.
4510	Funk, Gustav E.		Live Stock Dealer.	22 E. Eighth st.
3964	Furlong, John S.		Wholesale Liquors.	122 & 124 E. Seventh st.
729	Furst, Abe.		Wholesale Liquors.	122 & 124 E. Seventh st.
2415	Furst, Joseph C.			
8787	Furst, Samuel.			

4439	Galbraith, George W.	Laidlaw-Dunn-Gordon Co.	Pumping Machinery.	211 W. Fourth st.
5329	Gale, Albert C.	Gale Brothers Co.	Hay, Flour, Grain and Feed.	Intersect'n Third & W. Front sts.
557	Gale, B. W.	Gale Brothers Co.	Hay, Flour, Grain and Feed.	Intersect'n Third & W. Front sts.
3991	Gale, P. M.	Gale Brothers Co.	Local Manager.	Intersect'n Third & W. Front sts.
4533	Galatti, Edward	Pittsburgh Coal Co.	Soap, Candles and Oils.	334 W. Fourth st.
2924	Gamble, David B.	The Procter & Gamble Co.	Soap, Candles and Oils.	1430 Union Trust Building.
529	Gamble, James N.	The Procter & Gamble Co.	Grain.	1430 Union Trust Building.
4572	Ganus, Preston	Toledo Elevator Co.	Naval Stores and Commission.	Shelbyville, Ind.
919	Garlick, Henry	H. Garlick & Co.	Miners and Shippers of Coal.	116 W. Pearl st.
3820	Garrison, F. L.	Kanawha Coal and Coke Co. (Pres't)	Salesman.	605 First National Bank Bldg.
3902	Geisler, Julius	Union Distilling Co.	President.	1006-1010 Richmond st.
647	Gerke, George	Union Distilling Co.	Distillers.	1006-1010 Richmond st.
4452	Gerson, Joseph L.	Gerson, Seligman & Co.	Insurance.	230 Central ave.
3150	Gerst, William	William Gerst Brewing Co.	Secretary and General Manager.	Nashville, Tenn.
2974	Gibbs, Edwin C.	Geo. W. Neare, Gibbs & Co.	President.	516 Union Trust Building.
2067	Gillham, Robert P.	Campbell's Creek Coal Co.	Local Agent.	311 Mercantile Library Bldg.
4496	Gilligan, Andrew G.	Cincinnati & Suburban Delivery Co.	Manager, Glenn Estates	507 Walnut st.
4314	Ginn, Charles E.	Daniels Linseed Co.	Attorney at Law.	Express Bldg., Front and Butler.
4350	Glen, William W.	Adams Express Co.	President.	240 E. Fourth st.
17	Glenn, James M.	Goemann Grain Co.	Malt, Hops and Brewers' Supplies.	910 Mercantile Library Bldg.
2585	Goebel, Herman P.	The Herman Goepfer Co.	Hay, Grain and Feed.	Spitzer Building, Toledo, O.
2563	Goemann, Henry L.	H. J. Good & Co.	Superintendent.	S.W. c. Hunt and Sycamore sts.
241	Goepfer, Edward	The Bradstreet Co.	Manager.	1828 Kinney ave.
2685	Gold, George J.	National Lead Co.	Salesman.	Sixth and Carr sts.
4480	Good, Henry J.	with Henry Heile & Sons	Salesman.	301 Union Trust Building.
3458	Goodale, Levi C.	Goyert & Vogel	Produce Commission.	S.W. c. Seventh and Freeman av.
1396	*Goodman, W. A., President.	Union Grain and Hay Co.	Manager.	Glendale, O.
4524	Goodwin, C. H.	Cincinnati Provision Export Co.	Salesman.	N. E. cor. Walnut and Water sts.
207	Goshorn, E. C.	Gray, Dolle & Latta	Provisions.	49 Walnut st.
3182	Gould, William H.	Hartwell Furniture Co.	Manufacturers of Furniture.	Rawson Building.
4557	Gowling, Alfred	Greene & Embury	Live Stock Commission.	Rawson Building.
342	Goyert, J. H.	Ohio and Ky. Kid Leather Mfg. Co.	Tanners (President).	Chamber of Commerce Building.
4512	Granger, Daniel B.	The I. & E. Greenwald Co.	Founders and Machinists.	96-97 Ingalls Building.
3338	Granger, W. W.	The I. & E. Greenwald Co.	Founders and Machinists.	121 & 123 W. Fourth st.
1567	Grant, Edward S.	Citizens National Bank.	Vice-President.	Cincinnati Union Stockyards.
1089	Gray, Adam	S. T. Griffiths & Bro.	Proprietor.	Spring Grove av. and Rawson st.
4503	Greene, Edward	The Globe Chemical Co.	Chemicals, Drugs and Oils.	730 E. Pearl st.
2216	Greene, Thomas M.			United Bank Building.
4455	Greenebaum, Simon			534 Walnut st.
3210	Greenwald, C. E.			558 W. Sixth st.
3211	Greenwald, T. L.			Deer Creek, near Court st.
191	Griffith, G. P.			504 Union Trust Building.
3195	Griffiths, Samuel T.			
4272	Grogan, James J.			
3499	Grote, Frank C.			
4071	Grote, J. G. F., Jr.			

* Deceased.

MEMBERS OF THE CINCINNATI CHAMBER OF COMMERCE AND MERCHANTS' EXCHANGE.—CONTINUED.

No.	NAME.	FIRM.	BUSINESS.	LOCATION.
844	Grottsch, Henry			
4015	Grubbs, Edgar A.	E. A. Grubbs Grain Co.	Manager	1026 Dayton st.
2969	Grueter, J. Herman	The Gerke Brewing Co.	Secretary and Treasurer	Greenville, O.
3774	Gruener, Hugo	Gruener & Beckwith.	Modse. Brokers and Manfrs. Agents	Plum and Canal sta.
3803	Guckenberger, Fred	The Jacobs' Ordage Co.	Secretary	25 & 27 W. Second st.
3490	Guckenberger, George	Atlas National Bank	President	1205 Rudd st.
4551	Guthrie, Walter F.	Standard Oil Co.		Atlas Bank Building.
767	Hall, Edward C.	The Hall's Safe Co.	Manufacturers of Safes (President).	105-109 E. Pearl st.
3446	Hall, Thomas J.	T. J. Hall & Co.	Coal, Towboating and Freightng	Spring Grove av. and Kinney st.
3223	Hall, William A.	The Cincinnati Cooperage Co.	Secretary	Foot of Lawrence st.
3617	Halm, George M.	G. M. Halm & Co.	Coal and Coke	Cincinnati, O.
3903	Hammann, Henry W.		Hay and Grain	902 Neave Building.
4168	Hanna, John P.	Wiborg-Hanna Co.	Poplar and Hardwood Lumber	Harrison av. and B. & O. S-W. Ry
4616	Harrow, Thomas S.	The Murdock Plumbing Co.	Plumbers and Gasfitters	Cummins st., Fairmount.
2846	Harris, George W.	James Levy & Bro.	Distillers and Liquor Dealers	428 Plum st.
3530	Harrison, W. H.	W. H. Harrison & Co.	Coffee and Spices	307-309 Traction Building.
3674	Hart, Edward	E. Hart & Co.	Cloths and Woolens	15-19 E. Second st.
2339	Hartweg, Fred		Coal and River Transportation	Power Bldg., Eighth & Sycam're
2783	Hartweg, Gottlieb	Collins & Hartweg Co.	Provisions	Foot of Race st.
1680	Haskins, Robert	R. Haskins & Co.		Foot of Race st.
3656	Hatfield, James	Hatfield Coal Co.		205 Walnut st.
3004	Hauk, Louis J.	The John Hauk Brewing Co.	President	634 Madison av. Covington, Ky.
2288	Hauk, P. W. J.	The John Hauk Brewing Co.	Vice-President	Central ave. and Dayton st.
2917	Hauser, Stephan, Jr.	The Hauser, Breunier & Fath Co.	Tubs and Cooperage	Central ave. and Dayton st.
2780	Havlin, John			2129 McLean ave.
2122	Haves, Timothy	Hayes Valley Distilling Co.	Distiller	Levingood, Ky.
4580	Heekin, James J.	The James Heekin Co.	Roasted Coffees (Sec'y and Treas.)	Walnut and Water sta.
3018	Hekman, G. J.	G. Hekman & Son.	Flour, Feed and Commission	131 & 133 E. Water st.
762	Hekman, Louis	Piqua Malt Co.	Secretary	N. E. c. Pearl & Main (P. O. Box 164)
2486	Heid, John B.	Heid & Koss	Flour	305 Vine st.
4310	Heidelbach, Seward	Fabian Manufacturing Co.	Manufacturers of Ladies' Wear	225 W. Fourth st.
2818	Heidrich, Charles	Charles Heidrich & Co.	Produce Commission	33 Walnut st.
4278	Heile, Anthony L.	Henry Heile & Sons	Hay and Grain	N. E. cor. Walnut and Water sta.
1794	Heile, Frank, Jr.	Henry Heile & Sons	Hay and Grain	N. E. cor. Walnut and Water sta.
2445	Heinsheimer, Edward L.	P. J. Goodhart & Co.	Bankers and Brokers	First National Bank Building.
2835	Heitmeyer, Charles W.			1314 Race st. (P. O. Box 77).
633	*Heitmeyer, J. F.	Southern Grain Co.	Grain and Hay	
4586	Hellmer, John C.	Hemingray Glass Co.	Manfrs. of Glass (Sec'y & Treas.)	506 Chamber of Commerce Bldg.
1207	Hemingray, Dan. C.	Henderson Lithographing Co.	Lithographers (President)	Covington, Ky.
1936	Henderson, W. D.	George Herzog & Co.	Wholesale Liquors	418-422 Sycamore sta.
237	Herzog, George			30 Main st.

718	Herzog, Henry	Chas. H. Hess & Co.	Commission.	125 & 125 E. Water st.
4405	Hess, Charles H.	with Joseph Heuermann	Commission, Produce.	24 W. Court st.
3721	Heuermann, Charles	with Southern Grain Co.	Feed and Grain.	Court and Broadway.
3674	Heuermann, Joseph	with Merchants & Mfrs. Ins. Co.	Feed and Grain	1733 Westwood ave.
4892	Hill, Charles B.	Southern Grain Co.	Solicitor	404 First National Bank Bldg.
4601	Hill, Edward C.	A. Hill & Sons.	Grain and Hay (Manager)	506 Chamber of Com. Bldg.
4121	Hill, Harry H.	Fifth National Bank	Coal, Salt: Wharftboat	Aurora, Ind.
4468	Hill, Harvey B.	Hinsch Coal and Coke Co.	President.	S. W. cor. Fourth and Vine sts.
3322	Hinsch, C. A.	The Star Distillery Co.	Distillers and Redistillers.	719 W. Front st.
4067	Hinsch, Chapman R.	The Star Distillery Co.	Distillers and Redistillers.	529 & 531 Walnut st.
4470	Hirsch, Max.	J. L. Hite Co.	Distillers and Redistillers.	529 & 531 Walnut st.
1126	Hirsch, Simon.	Diamond Distilleries Co.	Leaf Tobacco	15 W. Water st.
4150	Hite, John L.	Hoffheimer Bros. Co.	Hoop-poles and Coopers.	S. E. cor. Race and Water sts.
2037	Hoban, Nicholas J.	Hoffheimer Bros. Co.	President.	417-425 E. Pearl st.
56	Hobart, William N.	Hoffheimer Bros. Co.	Distillers and Redistillers.	123 & 125 Sycamore st.
3493	Hoffheimer, Clarence A.	Hoffheimer Bros. Co.	Distillers and Redistillers.	123 & 125 Sycamore st.
4464	Hoffheimer, Herbert.	Hoffheimer Bros. Co.	Distillers and Redistillers.	123 & 125 Sycamore st.
525	Hoffheimer, Milton S.	Hoffheimer Bros. Co.	Distillers and Redistillers.	123 & 125 Sycamore st.
3787	Hoffheimer, Samuel A.	Hoffheimer Bros. Co.	Distillers and Redistillers.	123 & 125 Sycamore st.
3717	Hoffheimer, Samuel S.	John Hoffmann Packing Co.	Distillers and Redistillers.	123 & 125 Sycamore st.
2948	Hoffmann, John.	John Hoffmann's Sons.	Pork Packers.	S. W. c. Cent. av. and Baymiller.
3788	Hoffmann, John.	R. A. Holden & Co.	Pork Packers.	2148-2162 Coleman st.
290	Holden, R. A.	W. C. Biles & Co.	Dried Fruit, Beans, etc.	46 Main st.
136	Holloway, C. M.	Holzman & Co.	Commissioner of Water-works.	1307 Union Trust Building.
952	Hollerhoff, Godfrey	Homan Manufacturing Co.	Commission, Whisky	313 Vine st.
4442	Holzman, Ross	Homan Manufacturing Co.	Bankers and Brokers.	Union Trust Bldg., 411 Walnut st.
3556	Homan, Joseph T.	Homan Manufacturing Co.	Manufacturers Silver-plated Ware.	214-226 E. Seventh st.
4014	Homan, Louis.	The Putnam, Hooker Co.	Manufacturers Silver-plated Ware.	214-226 E. Seventh st.
280	Hooker, James J.	Hosea & Co.	Dry Goods Commission.	212-218 E. Third st.
1083	Hopple, William A.	Louisville & Nashville R. R. Co.	Dry Goods, Carpets, etc.	Race, Seventh and Shillito, Place.
1164	Hosea, R. H.	The Lockland Milling Co.	Grocers and Commission.	S. W. cor. Front and Main sts.
4507	Hosty, John A.	Houston, Stanwood & Gamble Co.	Soliciting Agent.	S. E. cor. Fifth and Vine sts.
1835	House, George.	Sunnyside Distilling Co.	Millers (President).	Lockland, O.
3840	Houston, Charles R.	Hubbard, Haus & Ragsdale.	Engine Builders	Covington, Ky.
2885	*Howe, C. L., President	Hubbard, Haus & Ragsdale.	Distillers.	344 W. Fourth st.
3139	Howe, Willard W.	Merchants & Manufacturers Ins. Co.	Live Stock Commission.	Cincinnati Union Stockyards.
3683	Hubbard, Charles R.	Huntington, Frank.	Wholesale Coal.	Foot of Race st.
960	Hubbell, W. M., Jr.	Hutton, William E.	Secretary	404 First National Bank Bldg.
3618	Hukill, Winfield S., Jr.	W. E. Hutton & Co.	Agent, Johnston Estate	316 Johnston Building.
307	Huntington, Frank.	John T. Hesser & Co.	Provision Broker.	41 E. Fourth st.
1945	Huschart, George H.	C. C. C. & St. L. Ry. Co.	Note, Stock and Bond Brokers.	First National Bank Building.
49	Hutton, William E.	John T. Hesser & Co.	Wholesale Coal.	802 Neave Building.
4532	Immenhort, William L.	C. C. C. & St. L. Ry. Co.	Asst. Gen'l Freight Agent.	Big Four Office Building.
4411	Ingalls, George H.			

* Deceased.

MEMBERS OF THE CINCINNATI CHAMBER OF COMMERCE AND MERCHANTS' EXCHANGE.—CONTINUED.

No.	NAME.	FIRM.	BUSINESS.	LOCATION.
99	Ingalls, M. E.	C. C. C. & St. L. Ry. Co.	Chairman of the Board.	Big Four Office Building.
3328	Irwin, William G.	Dayton Coal and Iron Co. (Limited).	Insurance.	Hartwell, O.
3567	Isaacson, William J.	Globe Soap Co.	Pig Iron.	First National Bank Building.
3749	Ives, Franklin		President.	106 E. Water st.
3369	Izot, Monroe		Flour Inspector	55 Walnut st.
4227	Jacob, Charles	Sunnyside Distilling Co.	Pork Packer	1972 Plum st.
265	Jacob, Charles H.	A. Janszen & Co.	Distillers	344 W. Fourth st.
1602	Janszen, August		Wholesale Grocers.	S. E. c. Second and Walnut sts.
1603	Janszen, Henry		Teamster.	281 Walnut st.
2245	Johnson, John A., <i>Asst Secretary</i>	Covington & Cincinnati Bridge Co.		Covington, Ky.
3346	Johnson, J. William	Johnson & Levy	Attorneys at Law	907 Commercial-Tribune Bldg.
4394	Johnson, Justin J.	Blue Ridge Despatch	Agent	810 Traction Building.
4508	Johnson, N. R.	C. C. C. & St. L. Ry. Co.	General Agent.	37 Ingalls Building.
4463	Johnson, W. S.	W. W. Johnson & Co.	Whisky	120 Sycamore st.
4567	Johnston, Stephen R.	Keystone Commercial Co.	Grain and Produce.	Pittsburgh, Pa.
2413	Jones, Frank J.	Big Hill Coal Co.	Attorney at Law	41 E. Fourth st.
4594	Jones, Harry F.	Pittsburgh & Buffalo Co. (President)	Miners and Shippers of Coal.	1309 Union Trust Building.
3960	Jones, John H.	Pittsburgh & Buffalo Co. (Vice-Prest)	Miners and Shippers of Coal.	Frick Building, Pittsburgh, Pa.
4142	Jones, Thomas P.	Jones, Montgomery & Haas	Fire Insurance	Frick Building, Pittsburgh, Pa.
2395	Jones, Walter St. John	Christian Moerlein Brewing Co.	Secretary and Treasurer.	704-705 Traction Building.
3133	Jung, J. George	C. Jutte & Co.	Miners and Shippers of Coal.	2019 & 2021 Elm st.
4592	Jutte, W. C.			Pittsburgh, Pa.
2127	Kahn, Bernhard	F. & L. Kahn & Bros.	Stove Manufacturers	2239 Park ave.
1216	Kahn, Felix	F. & L. Kahn & Bros.	Stove Manufacturers	Hamilton, O.
444	Kahn, Lazard	with J. F. Sadler & Co.	Live Stock Dealers.	Hamilton, O.
2519	Kaus, John		Hay, Grain and Flour.	Cincinnati Union Stockyards.
4246	Keller, George	Third National Bank	President.	725 Monmouth st., Newport, Ky.
824	Kellerg, Charles H., Jr.	Cincinnati Gas & Electric Co.	Examining Accountant	14-18 W. Fourth st.
4561	Kenan, Norman G.	Interurban Railway & Terminal Co.	Treasurer.	S. W. cor. Fourth and Plum sts.
4410	Kennedy, Guy H.	J. C. Kerr & Co.	Wholesale Grocers.	403 & 404 Traction Building.
420	Kennedy, John M.			415-419 Sycamore st.
1340	Kerr, J. C.			26 W. Second st.
2813	Keys, John B.	Cin'ti and Suburban Bell Tel. Co.	General Manager.	71 Atlas Bank Building.
3871	Kiechler, Phillip S.	Cincinnati Street Railway Co.	President.	Telephone Building.
3835	Kilgour, B. L.			Telephone Building.
502	Kilgour, John	Canada Southern Line and Blue Line	Commercial Agent	607 Traction Building.
3	Kineon, Sol. P.	American Express Co.		16 E. Fourth st.
3909	King, Charles H.			
2618	Kingsbury, Charles G., <i>Agent</i>			

2528	Kinney, George	Jones & Laughlin Steel Co. (Limited)	Iron and Steel (District Manager)	1209 Union Trust Building.
58	Kinsinger, Fred	Distillery Company No. 2.	Distiller	Milldale, Ky.
4569	Klein, Samuel	Klein Bros.	Wholesale Liquors	214 E. Eighth st.
4351	Klein, Sigmund	Klein Bros.	Wholesale Liquors	214 E. Eighth st.
2803	Klein, William	with Early & Daniel Co.	Hay and Grain	N. W. cor. Sixth and Harriet sts.
3016	Kleybolte, Leopold	Western German Bank	President	Twelfth and Vine sts.
3501	Kleybolte, Rudolph	Rudolph Kleybolte & Co.	Note, Stock and Bond Brokers	S. E. c. Fourth and Walnut sts.
4608	Klum, Edward T.		Merchandise Broker	10 E. Second st.
3982	Knaul, Charles E.		Grain Commission	517 Chamber of Commerce Bldg.
659	Knaul, M., Jr.		Capitalist	517 Chamber of Commerce Bldg.
4612	Koehl, Edward G.	Rudolph Kleybolte & Co.	Grain and Hay	Reading, O.
4435	Koehler, George		Note, Stock and Bond Brokers	S. E. c. Fourth and Walnut sts.
3955	Koss, Nicholas	Heid & Koss	Flour Commission	305 Vine st.
4163	Kramer, William H.		Hay and Grain	1110 Sycamore st.
1184	Kreis, John A.	The Shinkle-Wilson-Kreis Co.	Wholesale Grocers	S. E. cor. Vine and Front sts.
3289	Krell, Albert, Jr.	Krell-French Piano Co.	President	New Castle, Ind.
3053	Kroger, B. H.	Kroger Grocery and Bakery Co.	President and Treasurer	521 Reading Road.
3690	Kroger, Robert J.	Kroger Coal and Coke Co.	Coal and Coke	34 Mitchell Building.
2355	Krohn, Louis			530 Walnut st.
3319	*Kuerze, Robert M., President	The Gerke Brewing Co.		Plum and Canal sts.
3561	Kugel, Ignatius	with Rheinstrom, Betman, Johnson & Co.	Salesman	906-910 Sycamore st.
4385	*Kuhler, Louis E.	with The Marnet Coal Co.	Salesman	434 Walnut st.
1023	*Kuhlmann, Bernard		Bankers	
1543	Kuhn, Louis	S. Kuhn & Sons	Bankers	24 E. Third st.
3905	Kuhn, Simon	S. Kuhn & Sons	Produce Commission	24 E. Third st.
1742	Kushman, Frederick	F. Kushman & Co.	Grain and Live Stock	133 E. Front st.
681	Kyle, B. F.	Kyle & Williamson		Kyles, O.
2135	Lackman, Albert	The Herman Lackman Brewing Co.	President and Treasurer	823 W. Sixth st.
2136	Lackman, H. F.	The Herman Lackman Brewing Co.	Vice-President	823 W. Sixth st.
1380	Lafferty, D. E.		Public Weigher	Cor. Budd and Harriet sts.
4968	Laidlaw, Walter	Laidlaw-Dunn-Gordon Co.	Vice-President and Treasurer	211 W. Fourth st.
2	Laidley, F. A.	Louisville & Cincinnati Packet Co.	General Manager	Foot of Main st.
3052	Lampe, John B.	Nat'l Biscuit Co. (Langdon Branch)	Feed Store	Carthage, O.
546	Langdon, Perin		Bread and Cracker Bakers	323-407 Lock st.
1906	Laralde, E. N.		Stock Broker	112 E. Third st.
3668	Latta, L. L.		Commission	Home City, O.
743	Laws, Harry L.	The James H. Laws Co.	Tin Plate and Metals	1405 First National Bank Bldg.
743	Lawson, F. H.	The F. H. Lawson Co.	Superintendent	437 & 439 Main st.
4588	Leonard, William F.	Grasselli Chemical Co.	Commission	Pearl and Eggleston ave.
1970	Leitzler, Emil	Lett & Co.	Hay, Grain and Coal	48 Walnut st.
4355	Leverone, John	Corryville Feed Co.	Foreign Fruits and Fancy Groceries	2533 & 2535 Vine st.
2234	Levi, Louis S.	J. Leverone & Co.	Distillers and Redistillers	100 & 102 E. Front st.
748	Levi, Sol. W.	The Star Distillery Co.		P. O. Box 517, City.
1715				529 & 531 Walnut st.

• Deceased.

MEMBERS OF THE CINCINNATI CHAMBER OF COMMERCE AND MERCHANTS' EXCHANGE.—CONTINUED.

No.	NAME.	FIRM.	BUSINESS.	LOCATION.
432	Levy, Albert	James Levy & Bro.	Distillers and Liquor Dealers	307-309 Traction Building.
2461	Levy, Harry M.	.....	.....	307-309 Traction Building.
431	Levy, James	.....	.....	307-309 Traction Building.
333	Lewis, Eugene L.	.....	County Auditor—Court House	P. O. Box 583, City.
4573	Lewis, George H.	Lawrenceburg Roller Mills Co.	Secretary and Manager	Lawrenceburg, Ind.
4298	Lewis, Thornton	Kanawha Dispatch	Manager	Ingalls Building.
1809	Lewis, W. H.	W. H. Lewis & Co.	Leaf Tobacco	19 W. Front St.
3924	Lindsay, John D.	Big Four Grain Elevator	Agent	Sixth and Harriet sts.
305	Lippelmann, H. H.	.....	.....	Glendale, O.
3180	Lippincott, W. J.	.....	.....	United Bank Building.
4457	Lisman, Anthony A.	A. A. Lisman & Co.	Bonds, Investment Securities	25 Broad st., New York, N. Y.
566	Loewenstein, Daniel	A. Loewenstein's Sons	Wholesale Butchers	S. W. c. John and Livingston sts.
563	Loewenstein, Herman	Cincinnati Abattoir Co.	Vice-President	3251 Spring Grove ave.
3683	Lohrey, Jacob	.....	Smoked Fish and Provisions	2147-2151 Kindel ave.
1983	Long, Simon	Long, West & Co.	Live Stock Commission	Cincinnati Union Stockyards.
4344	Longfellow, Nathan	N. Longfellow & Co.	Produce Commission	126 E. Front st.
618	Loudon, James A.	Loudon & Co.	Grain Commission	Room D, Chamber of Com. Bldg.
4584	Loudon, James A., Jr.	Loudon & Co.	Grain Commission	Room D, Chamber of Com. Bldg.
2814	*Lowman, James	.....	.....	.....
2771	Lynn, M. E.	Queen City Coal Co.	Treasurer and Gen'l Manager	Foot of Freeman ave.
1929	McCabe, John P.	with Early & Daniel Co.	Hay and Grain	N. W. cor. Sixth and Harriet sts.
3025	McCallister, William	City Waterworks	Comptroller Assessor	City Hall.
4483	McCoy, Thomas A.	McCoy Bros.	Flour Mill	Liberty, Ind.
4458	McCrea, J. A.	Pennsylvania Lines	Superintendent, Cincinnati Division	Pearl and Butler sts.
494	McCullough, Albert	J. M. McCullough's Sons Co.	Seeds, Agricultural Implements	316 & 318 Walnut st.
3977	McCullough, Harrie B.	J. M. McCullough's Sons Co.	Seeds, Agricultural Implements	316 & 318 Walnut st.
4465	McCullough, J. Charles	J. Charles McCullough	Seeds, Agricultural Implements	N. E. c. Second and Walnut sts.
216	McDonald, Alexander	.....	.....	214 Walnut st.
4359	McGowan, Robert B.	The John H. McGowan Co.	Pumping Machinery	54-58 Central ave.
2141	McHugh, James T.	Clifton Springs Distilling Co.	Secretary	Cumminsville, City.
3221	McKenzie, Stephen M.	.....	.....	910 First National Bank Bldg.
3549	McKinlev, William H.	.....	.....	Pittsburgh, Pa.
409	McLean, John R.	Cincinnati Enquirer	Proprietor and Publisher	617 Vine st.
1478	McLeod, A. H.	C. H. & D. Ry. & Pere Marquette System	Freight Traffic Manager	Carew Building.
3591	McLeod, Albert D.	C. H. & D. Ry. & Pere Marquette System	Assistant General Freight Agent	Carew Building.
689	McNamara, T. E.	Terre Haute Distilling Co.	Manager	Terre Haute, Ind.
4530	McQuillan, William R.	with H. J. Good & Co.	Hay, Grain and Feed	Sixth and Carr sts.
....	McRae, Milton A., Manager	The Post Publishing Co.	.....	211-221 Longworth st.
330	Macbrair, W. C.	Macbrair Lithographing Co.	Vice-President and General Manager	S. E. cor. Fifth and Sycamore sts.
3639	Macdonald, John M.	with The Procter & Gamble Co.	Manager, Freight Department	United Bank Building.

877	Mack, E. J.	Elas Block & Sons	Distillers	511 Union Trust Building.
2864	Mack, M. J.		Life Insurance	Traction Building.
4063	Mackey, John.			Hotel Sterling.
4480	Maescher, Harry W.	Maescher & Co.	Pork and Beef Packers.	1754 & 1756 Central ave.
1176	Maescher, J. V.		Pork and Beef Packers.	S. E. c. Central av. and Linn st.
4906	Maffey, Edward H.	H. H. Meyer Packing Co.	Miners and Shippers of Coal.	1008 Mercantile Library Bldg.
4430	Magee, Robert S.	The Economy Fuel Co.	Manager	116 Ingalls Building.
4537	Magee, William J.	Kanawha Fuel Co.	Grain Commission	511 Chamber of Commerce Bldg.
186	Maguire, Charles S.	Maguire & Co.	Grain Commission	511 Chamber of Commerce Bldg.
4357	Maguire, Frank R.		Wholesale and Retail Grocer.	232 Broadway.
2335	Maloney, James.		Produce Commission	8 & 10 W. Court st.
3997	Mappes, William F.	W. F. Mappes & Co.		N. E. c. Seventh and Plum sts.
2030	Marblestone, Manuel		President	1513-1521 Plum st.
3644	Marcus, M.	M. Marcus Building Co.	Hides, Wool, Tallow and Glues.	551 Poplar st.
3636	Marienthal, Moses.	M. Marienthal & Son	President and Manager	637 Vine st.
14	Markbreit, Leopold	Cincinnati Volksblatt.	Coal and Coke	1107 Traction Building.
4296	Marmet, Edwin.	The Marmet Coal Co.	Coal and Coke	1107 Traction Building.
3908	Marmet, William.		Salesman	Front and Vine sts.
3987	Martin, Robert A.	with The Shinkle-Wilson-Kreis Co.	Freight Solicitor	42 E. Fourth st.
4543	Matchette, A. S.	Star Union Line.	Coal and Coke (Agent).	201-202 Neave Building.
3895	Mather, Henry R.	Cashner, Curran & Bullitt.	Division Freight Agent.	901 Union Trust Building.
494	Matthews, S. C.	P. C. C. & St. L. Ry. Co.	General Agent.	204 E. Front st.
956	Mauck, Eli R.	Pittsburgh & Cincinnati Packet Co.	Statistician	Neff ave. and Isabella st.
28	Maxwell, Sidney D.		Bankers.	406 Walnut st.
2143	Mayer, Charles.	Seasongood & Mayer	Wholesale Liquors.	S. W. cor. Pearl and Walnut sts.
3868	Mayer, Emil M.	Mayer Bros. Co.	Pig Iron.	Carew Building.
4132	Meacham, D. B.	Rogers, Brown & Co.	Lumber	McMicken and Ohio aves.
4154	Meier, H. W. Jr.		Manfrs. Brushes and Wire Goods	612 W. Sixth st.
3821	Melish, William B.	Bromwell Brush and Wire Goods Co.	President	409 Commercial-Tribune Bldg.
2509	Menderson, Jacob	The Menderson Clothing Co.	Supt. of Harbors and Boats.	Front and Lawrence sts.
4219	Menges, Charles J.	Monong'la Riv. Con. Coal & Coke Co.	Manufacturers of Bags	New Orleans, La.
3390	Mente, Eugene W.	Mente & Co.	Division Freight Agent.	Big Four Office Building.
4164	Metzger, George.	C. C. C. & St. L. Ry. Co.	Grain and Hay (Sec'y and Treas.)	Hopkins st. and President Pl.
4541	Metzger, John V.	The Metzger-Hill Co.	Contracting Agent	N. E. cor. Fourth and Vine sts.
4422	Metzger, Philip H.	White Line and West Shore Line.	Pork and Beef Packers.	S. E. cor. Central av. and Linn st.
4428	Meyer, Clarence B.	The H. H. Meyer Packing Co.	Pork and Beef Packers	S. E. cor. Central av. and Linn st.
4438	Meyer, Harry E.	The H. H. Meyer Packing Co.	Pork and Beef Packers	S. E. cor. Central av. and Linn st.
66	Meyer, H. H.	The H. H. Meyer Packing Co.	Wines and Liquors	514-518 E. Pearl st.
3285	Mihalovitch, B.	The Mihalovitch-Fletcher Co.	Wines and Liquors	514-518 E. Pearl st.
3218	Mihalovitch, Morris.	The Mihalovitch-Fletcher Co.		3108 Durrell ave.
3249	Miller, Frederick		Chief of Police	City Hall, Eighth and Plum sts.
2490	Millikin, P. M.		President	132 Ingalls Building.
4380	Nilton, Charles J.	Smokeless Fuel Co.	Wholesale Grocers.	212 & 214 Vine st.
779	Minor, James R.	The Minor & Dixon Co.	Wool, Curled Hair, Feathers, etc.	Harrison and Spring Grove aves.
873	Mitchell, Pierson R.	The P. R. Mitchell Co.	Grain and Hay	Hopkins st. and President Pl.
4613	Mitchell, Samuel R.	Metzger-Hill Company	Capitalist	S. W. c. Elm and McFarland sts.
2911	Moeh, Elias.			

* Deceased.

MEMBERS OF THE CINCINNATI CHAMBER OF COMMERCE AND MERCHANTS' EXCHANGE.—CONTINUED.

No.	NAME.	FIRM.	BUSINESS.	LOCATION.
2912	Moch, Moses E.	Moch, Berman & Co.	Wholesale Clothiers.	S. W. c. Elm and McFarland sts.
4248	Moerlein, John.	Christian Moerlein Brewing Co.	President.	2019 & 2021 Elm st.
4249	Moffett, T. J.	Maley, Thompson & Moffett Co.	Hardwood Lumber.	Eighth and Evans sts.
4319	Monfort, Elias R.		Postmaster of Cincinnati.	Post-Office Building.
1270	*Montgomery, Alex.			
1299	Montgomery, Robert.		Provision Broker.	41 E. Fourth st.
518	Montgomery, William.	with Barron-Boyle Co.	Salesman.	230 E. Fifth st.
4247	Moore, Charles H.	The C. H. Moore Oil Co.	Oils and Lubricants.	641-647 W. Front st.
4436	Moore, Thomas L.	with Early & Daniel Co.	Flour and Feed.	Elisnore ave. and C. L. & N. R. R.
2621	Moren, John.	Monongia Riv. Con. Coal & Coke Co.		Pittsburgh, Pa.
4581	Morgan, A. R.	Georgia Railroad	Commercial Agent.	630 Union Trust Building.
4303	Morgan, Daniel H.	with T. J. Hall.	Towboat and Barges.	Foot of Lawrence st.
3643	Morrill, William S.	White Line and West Shore Line.	Agent.	N. E. cor. Fourth and Vine sts.
114	Morrison, James K.	James K. & John C. Morrison	Brokers.	14 Wiggins Block.
4378	Morrison, John C.	James K. & John C. Morrison.	Brokers.	14 Wiggins Block.
4545	Morrison, Roger.	with Thomas Morrison & Co.	Pork Packers.	Bank and Winchell ave.
113	Morrison, Thomas.	Thomas Morrison & Co.	Pork Packers.	Bank and Winchell ave.
3534	Morse, Charles P.	Erle Railroad Co.	General Agent.	304 Mercantile Library Bldg.
4072	Morten, Joseph D.	with Cincinnati Price Current.		Brandon Building.
1813	Mosler, Max.	The Brighton German Bank.	President.	Cor. Harrison and Colerain aves.
3824	Mueller, Fred.	George Zehler Provision Co.	Secretary and Treasurer.	1705 Logan st.
1982	Mueller, John.		Coal.	Lockland, O.
4491	Muhlhauser, Christian.		Grain.	1167 & 1169 Harrison ave.
3175	Muhlhauser, Edward C.		Superintendent.	Plum and Liberty sts.
4406	Muhlhauser, George P.	Windisch-Muhlhauser Brewing Co.	Grain Broker.	1167 & 1169 Harrison ave.
1544	*Muhlhauser, Gottlieb.			
2941	Muhlhauser, Henry, Jr.	Windisch-Muhlhauser Brewing Co.	Treasurer.	Plum and Liberty sts.
3711	Mullaney, Daniel J.	Nash., Chat. & St. Louis Ry. Co.	Commercial Agent.	23 Carew Building.
4111	Mulvihill, John C.		Produce and Provisions.	38 Walnut st.
3398	Mulvihill, Thomas J.		Undertaker.	S. E. cor. Sycamore and New sts.
283	Munson, George F.	Allen & Munson.	Commission, Flour and Grain.	910 First National Bank Bldg.
4265	Murphey, Edwin W.	Agent Groesbeck Estate.		407 Johnston Building.
4403	Murphy, William J.	Cin. New Orleans & Tex. Pac. Ry. Co.	Vice-President.	Ingalls Building.
121	Murray, Charles B.	Editor Cincinnati Price Current.	Supt. Chamber of Commerce.	Brandon Bldg. & Cham. of Com.
4441	Murray, Charles C.		Broker, Bonds and Stocks.	405 Union Trust Building.
2750	Muth, Aug. E.	National Biscuit Co.	Manager, Muth Branch.	411-419 Richmond st.
3783	Nadaud, C. E.		Flour Broker—Attorney at Law.	515 Chamber of Commerce Bldg.
1154	*Nagel, Henry.			
4361	Nathan, Hugo.	A. Guckenheimer & Bros. (Pittsb'gh)	Distillers.	37 St. Paul Building.
2858	Neff, Clifford Gordon.	The Bradford Belting Co.	President.	N. W. c. Second and Walnut sts.
3730	Neil, John W.	The John H. McGowan Co.	Pumping Machinery.	58 Central ave.

4617	Neukom, Charles H.	F. Jelke & Son Co.	Commission Produce.	53 Walnut st.
2435	Newton, George G.	Reinhart & Newton.	Manufacturing Confectioners.	8 & 10 W. Second st.
4606	Niebling, Fred W.	Triumph Ice Machine Co.	Sales Agent.	610 Baymiller st.
4502	Nielson, Harry R.	Winifrede Coal Co.	Salesman.	1527 Union Trust Building.
4577	Nippert, C. E.	with Union Grain & Hay Co.	Assistant Manager.	Rawson Building.
3456	Nixon, Willard D.	with R. G. Dun & Co.	General Manager.	Ingalls Building.
4201	Nonan, Thomas H.	Continental Line—Cent. States Desp.	Flour, Grain and Mill Feed.	902 First National Bank Bldg.
1131	Nordmeyer, Andrew.	Nordmeyer & Berding.	Produce Commission.	708 Washington st., Cov., Ky.
3692	Norman, Andrew G.	A. G. Norman & Co.		40 Walnut st.
4409	O'Dell, William J.	O'Dell Commission Co.	Grain, Stock and Provisions.	11 E. Third st.
3104	*Olmstead, H. B., <i>Cashier</i>	Joseph G. Orth & Co.	Flour and Feed.	513 Monmouth st., Newport, Ky.
4162	O'Orth, Joseph G.	James Walsh & Co.	Distillers.	201 Union Trust Building.
3368	O'Shaughnessy, P.	with Brown & Patterson.	Hay and Grain.	1527 Eastern ave.
4517	Ostendorf, Gerhard G.			
440	Palmer, G. G.		Reporter.	Lockland, O.
1484	Pape, A. H.	Cin'ti Ice Mfg. and Cold Storage Co.	Salesman.	Chamber of Commerce.
1673	Parker, Luther.	with J. M. McCullough's Sons Co.	Commission, Seeds, Grain, etc.	417 E. Court st.
4419	Parvin, George H.	Patterson & Evans.	Hay, Grain and Feed.	316 & 318 Walnut st.
45	Patterson, H. B.	Brown & Patterson.	President.	52 Vine st.
4598	Patterson, Louis B.	Union Central Life Insurance Co.	Agent.	1521-1527 Eastern ave.
2433	Pattison, John M.	Kanawha Dispatch.	Stock and Grain Dealer.	S. E. c. Fourth and Central ave.
4342	Paxton, W. O.			810 Traction Building.
3633	Payne, Henry H.			Camden, O.
1548	Peabody, W. W.			Madisonville, O.
.....	Penney, Grove J. (Honorary)			2620 May st., Walnut Hills.
4544	Perin, Levin Belt.	Perin Brothers.	Millers and Flour Dealers.	14-18 E. Front st.
3064	Perin, Lyman, Jr.	Perin Brothers.	Millers and Flour Dealers.	14-18 E. Front st.
4461	Perin, Vinton.	Perin Brothers.	Millers and Flour Dealers.	14-18 E. Front st.
1918	Perin, Oliver L.	Millcreek Distilling Co.	General Manager.	639 Evans st.
3923	Perkins, William T.	Southern Ohio Loan and Trust Co.	President.	S. W. cor. Fifth and Main sta.
4323	Peter, Emil C.	Jacobs Cordage Co.	Vice-President.	1205 Budd st.
3565	Pettibone, James.	Pettibone Bros. Manufacturing Co.	President.	628-632 Main st.
1922	Pfister, Frederick.	Butchers Hide Association.	Superintendent.	508-514 Poplar st.
4390	Pfister, Joseph.	The Cincinnati Abattoir Co.	Buyer.	3251 Spring Grove ave.
4347	*Pfleger, Julius.			
727	Pine, William.	Jason Evans Estate.	Agent.	4 Temple Bar.
3558	Pogue, John F.	H. E. Pogue Distilling Co.	President.	909 First National Bank Bldg.
2981	Pohlman, G. W.	National Insurance Co.	President.	1201 First National Bank Bldg.
3048	Poland, Lawrence.			131 E. Fourth st.
2567	Pollak, Emil.	Block-Pollak Iron Co.	Iron and Metals.	Carriage (P.O. Box 678, Cin'ti, O).
760	Pritz, Benjamin.	Strauss, Fritz & Co.	Distillers and Liquor Dealers.	909 & 911 Sycamore st.
3670	Pritz, Sidney E.			909 & 911 Sycamore st.

• Deceased.

MEMBERS OF THE CINCINNATI CHAMBER OF COMMERCE AND MERCHANTS' EXCHANGE.—CONTINUED.

No.	NAME.	FIRM.	BUSINESS.	LOCATION.
528	Procter, William A. (Honorary).	The Procter & Gamble Co.	Soap, Candles and Oils.	United Bank Building.
2488	Procter, William Cooper.	The Procter & Gamble Co.	Soap, Candles and Oils.	United Bank Building.
4196	Prosser, George.	Herring-Hall-Marvin Safe Co.	Safe and Lock Works.	Hamilton, O.
769	Pullen, Richard T.	The Putnam-Hooker Co.	Dry Goods Commission	212-218 E. Third st.
259	Putnam, B. W.			
4482	Raible, John C.	Eckhardt & Raible.	Flour.	933 W. Fifth st.
2638	Rauh, Frederick.	Frederick Rauh & Co.	Insurance.	1202 First National Bank Bldg.
3276	Rauh, Louis L.	Frederick Rauh & Co.	Insurance.	1202 First National Bank Bldg.
2248	Raumn, John.	John Raumn & Co.	Pork Packers.	306 & 308 E. Pearl st.
999	Rawson, Edward.	J. Rawson's Sons.	Pork Packers.	Spring Grove av., nr. Stockyards.
4453	Ray, William F.	Clifton Springs Distilling Co.	Superintendent.	Cummins ville, City.
2752	Reece, M. M.			S. E. cor Fifth and Walnut sts.
4227	Reichel, George.		Teamsters and Heavy Hauling	25-29 W. Water st.
213	Reis, Julius.	with Seasongood & Mayer.	Bankers.	406 Walnut st.
3243	Reynolds, Robert R.	Cincinnati Ice Co. (Incorp. 1905).	President.	N. W. cor. Race and Canal sts.
1376	Rheinstrom, Abraham.	Rheinstrom Bros.	Wholesale Liquors.	Pearl and Martin sts.
1377	Rheinstrom, Isaac.	Rheinstrom Bros.	Wholesale Liquors.	Pearl and Martin sts.
3885	Rheinstrom, Sigmund.	Rheinstrom, Bettman, Johnson & Co.	Wholesale Liquors.	906-910 Sycamore st.
4387	Richardson, Charles C.	The Haldeman Paper Co.	Manfrs. of Paper (President).	Lockland, O.
4550	Richter, Herman Edward.	Gale Bros. Co.	Hay, Grain and Feed.	Third and W. Front sts.
3971	Rigdon, Harry.		Coal Gauger.	Front and Harriet sts.
4554	Riley, Charles W., Jr.	Omaha Packing Co. (Chicago).	Manager Cincinnati Office.	110 E. Second st.
4136	Rincarson, William C.	Cin. New Orleans & Texas Pacific Ry.	General Passenger Agent.	Ingalls Building.
4563	Rosch, John.		Weighter—Gale Bros. Elevator.	Third and W. Front sts.
201	Rosch, P. E.			433 W. Eighth st.
1665	Robb, J. M. D., Manager.	Fairbanks, Morse & Co.	Scales, Trucks, etc.	307 Walnut st.
3839	Robertson, William F.	W. F. Robertson Steel and Iron Co.	Iron and Steel.	S. W. cor. Front and Elm sts.
4288	Robinet, A. L.	P. C. C. & St. L. Ry. Co.	Local Freight Agent.	Front and Butler sts.
678	Robson, George W., Jr.	Old "76" Distilling Co.	President.	9 Masonic Temple.
4086	Rockel, Charles.		Provisions.	51 Walnut st.
4611	Rockwell, Clay.	Cin'ti, Lebanon & Northern Ry. Co.	General Freight and Passenger Agent	Court st. near Broadway.
4282	Roeder, Albert.		Flour.	123 E. Liberty st.
4031	Rogers, William C.	Fairmont Coal Co.	General Manager.	1201-1205 Traction Building.
4112	Rohan, Andrew.	The Andrew Rohan Co.	Commission, Produce.	50 Walnut st.
3989	Romer, Louis.	Romer Bros.	Produce Commission.	1011 Race st.
777	Root, George A.	Whitcomb & Root.	Grain and Hay.	48 Mitchell Building.
3884	Rosenthal, Myer S.	H. Rosenthal & Sons.	Wholesale Liquors.	341 Main st.
4223	Roth, Charles E.	The John C. Roth Packing Co.	Treasurer.	1010 Gest st.
2028	Roth, E. N.		St. Nicholas Hotel.	Fourth and Race sts.
4389	Roth, John G.	The John C. Roth Packing Co.	Vice-President.	1010 Gest st.
3569	Roth, Joseph L.	The John C. Roth Packing Co.	Secretary and Manager.	1010 Gest st.

3114	Rothier, F. A.	Eureka Fire and Marine Ins. Co.	President.	121 E. Third st.
4579	Rothschild, David	D. Rothschild Grain Co.	Grain Commission.	Davenport, Ia.
2949	Rover, August	A. Rover & Co.	General Commission	221 W. Sixth st.
798	Rowe, Casper H.	Fleischmann & Co.	General Manager	N. W. cor. Plum and Perry sts.
4392	Rubel, Henry M.	The Henry M. Rubel Co.	Whiskies	327 Sycamore st.
3544	Rucker, John J.	J. J. Rucker & Co.	General Agent.	Hebron, Ky.
3471	Ruhrmann, Otto	De La Vergne Refrig. Mch. Co., N. Y.	General Agent.	811 Neave Building.
4178	Runk, John F.	J. F. Runk & Co.	Fire Insurance	14 & 16 E. Third st.
2990	Rupp, George	George Rupp & Co.	Pork and Beef Packers	Hamilton, O.
4535	Rutener, Frank J.		Coal and Feed.	Cor. Eastern and Strader ayes.
4374	Ryan, Joseph	Desmond & Ryan	Manufacturers of Soap.	2625 Spring Grove ave.
224	Ryan, Mathew	Cincinnati Abattoir Co.	Pork and Beef Packers.	3251 Spring Grove ave.
.....	Ryan, Michael (Honorary)	Cincinnati Abattoir Co.	Pork and Beef Packers.	3251 Spring Grove ave.
227	Ryan, Richard	Cincinnati Provision Export Co.	President and Treasurer.	Chamber of Commerce Bldg.
753	Sadler, L. L.	J. F. Sadler & Co.	Live Stock Brokers.	Cincinnati Union Stockyards.
1070	Sander, Adolph	A. Sander Packing Co.	Pork and Beef Packers.	1022 & 1024 Gest st.
4376	Sander, Armin H.	A. Sander Packing Co.	Pork and Beef Packers	1022 & 1024 Gest st.
3311	Sanders, William C.	The Old "76" Distilling Co.	Vice-President.	9 Masonic Temple.
818	Sandheger, Christ.		Wines and Liquors.	123-129 E. Court st.
4534	Sanford, J. H.	Clyde Coal Co.		Pittsburg, Pa.
4381	Sawtelle, Charles E.	Postal Telegraph Cable Co.	Manager	23 Fountain Square.
323	Scarlett, Joseph A.	R. G. Dun & Co.	Mercantile Agency (Manager).	Ingalls Building.
4134	Schapker, Bernard	B. Schapker & Co.	Provision and Merchandise Brokers.	15 E. Third st.
4180	Schell, Albert W.	Albert W. Schell & Co.	Fire Insurance	1410 First National Bank Bldg.
2158	*Scheuer, Jacob	Union Savings Bank and Trust Co.		Union Trust Building.
680	Schmidlapp, J. G.	The Sam. W. Weidler Co.	President.	938 W. Sixth st.
716	Schmidt, Charles W.		President—Flour and Corn Products	114 E. Fourth st.
288	Schmidt, Frederick A.		Real Estate Agent and Loans.	850 W. Sixth st.
548	Schmitt, Anthony	A. Schmitt & Co.	Flour and Commission	1423 & 1424 Walnut st.
4532	Schneider, Charles T.	John Schneider's Son & Co.	Millers and Bakers.	1422 & 1424 Walnut st.
1949	Schneider, George C.	John Schneider's Son & Co.	President and General Manager.	Truction Building.
4000	Schoepf, W. Kestey	The Cincinnati Traction Co.	General Manager	Raymond City, W. Va.
4155	Schonebaum, Edward	Otto Marmet Coal and Mining Co.	Flour, Grain and Mill Feed.	Big Four Storage Warehouse.
3630	Schriewer, John	J. Schriewer & Co.	Pork and Beef Packers.	Camp Washington, City.
80	Schroth, Fred	J. & F. Schroth Packing Co.	Pork and Beef Packers.	Camp Washington, City.
4443	Schroth, John J.	J. & F. Schroth Packing Co.	Soap and Candles	411 Poplar st.
966	Schwartz, Michael	M. Werk Co.	Manager	5th & Madison sts., Cov'gton, Ky.
4421	Schweinefuss, Arnold	Covington Coal Co.	Bar Glassware and Bottlers' Supplies.	312 Main st.
3739	Schwili, Albert, Jr.	F. A. Schwill & Son	Fire Insurance	41 E. Fourth st.
1259	Sears, J. M.	Sears Insurance Agency Co.	Bankers.	406 Walnut st.
899	Seasongood, Adolph J.	Seasongood & Mayer	Public Weigher	Room 21, 9-15 E. Third st.
898	Seasongood, Lewis		Wholesale Liquors	Foot of Lawrence st.
.....	Seacrist, R. E.			Mitchell Building.
937	Senior, Edward	A. Senior & Son		

• Deceased.

MEMBERS OF THE CINCINNATI CHAMBER OF COMMERCE AND MERCHANTS' EXCHANGE.—CONTINUED.

No.	NAME.	FIRM.	BUSINESS.	LOCATION.
3198	Senior, Max.	A. Senior & Son.	Wholesale Liquors.	Mitchell Building.
4486	Settle, W. H.	W. H. Settle & Co.	Coal, Flour and Feed.	Madisonville, O.
881	Severet, John Albert	J. A. Severet & Co.	Pork and Beef Packers.	32 E. Front st.
3874	Shields, Joseph.	J. Shields & Co.	Whisky Brokers.	226 Main st.
790	Shillito, Stewart.	The John Shillito Co.	Wholesale and Retail Dry Goods.	Race, Seventh and Shillito Place.
1183	Shinkle, Bradford.	The Shinkle-Wilson-Kreis Co.	Wholesale Grocers.	S. E. cor. Front and Vine sts.
3390	Shipley, Edward E.		Insurance.	603 First National Bank Bldg.
500	Short, F. H.	C. H. & D. R. R. Co.		Carew Building.
3814	Sicking, J. B.	Joseph Silverman & Co.	Feed Store and Furniture Storage.	1709 Elm st.
2840	Silverman, Joseph.	Mutual Benefit Life Insurance Co.	Wholesale Liquors.	242 Main st.
3384	Simpson, F. H.	Straub Machinery Co.	District Agent.	31-32 Ingalls Building.
4546	Simpson, Orville.		Flour Mill and Distilling Machinery	1948-1958 W. Sixth st.
2576	Simpson, William T.			31-32 Ingalls Building.
4322	Skinner, Edgar C.	Washington Life Insurance Co.	General Manager State of Ohio.	604-610 Union Trust Building.
3308	Skinner, Robert T.			2226 Park ave.
2290	Slimer, George, Jr.		Live Stock Commission.	John and Livingston sts.
3712	Slusser, William A.		Provisions.	123 E. Second st.
673	Smith, Albert E.	A. E. Smith & Co.	Commission, Grain.	P. O. Box 367.
2429	Smith, Charles H.			United Bank Building.
3379	Smith, Edwin F.			910 First National Bank Bldg.
2704	Smith, Robert J.		President and Trustee.	17 E. Second st.
3835	Smith, Thomas G., Jr.	The Charles Brown Grocery Co.	Consult'g and Contract'g Engineer.	412-414 Carlisle Building.
2026	Smyrl, Adam.		Commission, Flour.	7 Mitchell Building.
701	Sohn, J. Edward.	Adam Smyrl & Co.	President.	1622 Main st.
4540	Sohngen, Paul L.	The Schaller Brewing Co.		Hamilton, O.
4290	Solar, George T.	Mueller & Young Grain Co. (Chicago)	Commercial Agent.	531 Union Trust Building.
1732	Sommers, S.	Central of Ga. Railway Co.	Wholesale Jewellers.	11-12 Carew Building.
4191	Spills, John F.	Lindenberg, Strauss & Co.	Salesman.	Camp Washington, City.
3333	Spivey, Thomas S.	with J. & F. Schroth Packing Co.	President.	Ninth and Broadway.
2157	Sprague, E. T.	Victor Safe and Lock Co.	Shirt Manufacturer.	7 Wiggins Block.
3616	Squibb, William P.	W. P. Squibb & Co.	Distillers.	Lawrenceburg, Ind.
4609	Starbuck, George B.		Commissions—Stocks, Bonds, etc.	Mitchell Building.
1248	Stearns, Edwin R.	The Stearns & Foster Co.	Manfrs. of Wadding and Batting.	114-120 E. Canal st.
4512	Steinharter, Bernhard.	Ohio & Ky. Kid Leather Mfg. Co.	Vice-President and Manager.	Spring Grove av. and Rawson st.
1797	Stephens, Charles H.	Stephens & Lincoln.	Attorneys at Law.	First National Bank Building.
2932	Stephenson, R. B.	The Cincinnati Daily Bulletin.	Proprietor.	127 E. Third st.
736	Stern, Jacob.	Stern, Frank & Co.	Commission, Live Stock.	Cincinnati Union Stockyards.
3129	Stewart, Charles, Jr.	with Stearns & Foster Co.	Bookkeeper.	114-120 E. Canal st.
2069	Stix, Nathan.	Louis Stix & Co.	Dry Goods.	S. W. cor. Third and Race sts.
280	Stone, John E.		Broker, Provisions and Oil.	Room C, Chamber of Com. Bldg.
250	Stone, Thomas B.	T. B. Stone Lumber Co.	Hardwood Lumber.	1027-1029 Union Trust Building.
2036	Storer, Bellamy.		U. S. Ambassador to Austria.	115 E. Fourth st.
3031	Straus, Henry.		Importer of Cigars.	527 & 529 Vine st.

4527	Streit, Egmont G.	Armour Packing Co. (Kansas City).	Local Agent.	33 Main st.
4485	Strietmann, Albert P.	Geo. H. Strietmann's Sons Co.	Wholesale Bakers.	S. E. cor. Twelfth and Plum sts.
2886	Strobridge, Hines	The Strobridge Lithographing Co.	President.	108-118 W. Canal st.
3978	Stueve, Samuel E. E.	with Dominick & Dominick	Bankers and Brokers.	333 Walnut st.
4364	Stueve, William G.	Henry W. Brown & Co.	Flour and Grain.	842 W. Sixth st.
1086	Sturm, Simon	J. J. Sullivan & Co.	Insurance Agent.	116 E. Third st.
1753	Sullivan, John	Eagle White Lead Co.	Livery and Undertaking.	421 Central ave.
3571	Sullivan, John B.	Eagle White Lead Co.	Real Estate.	131 E. Fourth st.
3727	Swift, John B.		President.	1020-1030 Broadway.
3547	Swift, Thomas T.		Superintendent.	1020-1030 Broadway.
371	Taft, Charles P., <i>President</i>	Cincinnati Times-Star Co.		N. E. cor. Sixth and Walnut sts.
4312	Taylor, Alfred B.	Interstate Grain Co.	President.	65 Mitchell Building.
3886	Telker, Hermann.	Telker & Dunker.	Produce Commission.	118 E. Court st.
4476	Terrill, Edward B.	Early & Daniel Co.	Hay and Grain.	Covington, Ky.
3757	Theis, George W.	Monong'la Riv. Con. Coal & Coke Co.	Coal.	Pittsburgh, Pa.
4318	Thomas, F. P.	Mida's Criterion of Chicago.	Local Manager.	1209 First National Bank Bldg.
149	Thompson, M. D.	M. D. Thompson & Co.	Grain and Provisions.	Chamber of Commerce.
3250	Thornor, Justus	S. Obermayer Co.	Foundry Supplies.	641-647 Evans st.
3685	Thurnauer, Charles M.	J. E. Jones & Co.	Investment Securities.	412 First National Bank Bldg.
4389	Tilghman, Harry E.	Interstate Grain Co.	Grain, Provisions and Stocks.	112 Carlisle Building.
4385	Todd, William S.			65 Mitchell Building.
4176	Toepke, William		Feed and Coal.	Oakley, O.
4332	Tomlinson, Charles W.	B. & O. S. W. R. R. Co.	Division Freight Agent.	510 Traction Building.
1698	Topmoeiler, Barney	H. Weber & Co.	Feed and Grain.	Cumminsville, City.
3967	Trager, Isidore	I. Trager & Co.	Wholesale Liquors.	327 Walnut st.
4582	Trent, Pearl	Hunter Bros. Milling Co. (St. Louis)	Local Agent.	1231 Union Trust Building.
1515	Trost, Samuel W.	The Trum Coal Co.	Cigar Box Manufacturer.	12-16 W. Canal st.
4294	Trum, August B.	The Tudor Boiler Mfg. Co.	Coal and Coke.	Foot of Mill st.
4603	Tudor, Charles E.	The Tudor Boiler Mfg. Co.	President.	716 E. Pearl st.
1744	Tudor, Hugh			716 E. Pearl st.
709	*Tudor, O. H., <i>Cashier</i>			
4562	Tuohy, Joseph W.	The Marnet-Halm Coal and Coke Co.	Manager.	601 Neave Building.
1370	Tullidge, Frank G.	Frank G. Tullidge & Co.	Wholesale Liquors.	111 E. Fifth st.
1	Urner, Henry C. (Honorary)	Little Miami R. R.	Secretary and Treasurer.	114 E. Third st.
889	Vance, John L. (Honorary)	Ohio Valley Improvement Associa'n	President.	397 E. Broad st., Columbus, O.
3766	Van Cleef, C. M.	J. Van Hart & Sons	Teamsters and Tanbark Dealers.	846 Lexington ave.
1386	Van Hart, William A.	Van Hise, W. L.	Grain, Live Stock.	N. W. cor. Elm and Water sts.
1379	Van Hise, W. L.	Van Horn, S. A.	Grain and Hay Commission.	West Chester, O.
4555	Van Leunen, Charles E.	The Van Leunen Co.	Hay and Grain (Secretary).	Lawrenceburg, Ind. 323-325 Carlisle Building.

° Deceased.

MEMBERS OF THE CINCINNATI CHAMBER OF COMMERCE AND MERCHANTS' EXCHANGE.—CONTINUED.

No.	NAME.	FIRM.	BUSINESS.	LOCATION.
770	Van Leunen, J. W.	The Van Leunen Co.	Hay and Grain (President).	323-325 Carlisle Building.
771	Van Leunen, Peter	The Cincinnati Grain Co.	Hay and Grain (Manager).	326 Carlisle Building.
2743	Van Loo, Leon			945 W. Court st.
958	Van Nes, Hans	The J. W. Biles Co.	Commission, Whisky (President)	8 & 10 E. Third st.
4525	Vazeille, E. R.	Seaboard Air Line Railway	Commercial Agent.	604 Mercantile Library Bldg.
4211	Verity, George M.	The American Rolling Mill Co.	Manfrs. Iron and Steel Roofing, etc.	Middletown, O.
763	Vieth, Frank	The J. H. Hermes Co.	Commission, Hay and Grain	11 & 13 Main st.
343	Vogel, Henry	Goyert & Vogel	Produce Commission	49 Walnut st.
1108	*Vogel, Jacob, Sr.	Jacob Vogel & Son	Pork Packers	2604 Colerain ave.
1107	Vogel, Jacob, Jr.			
1283	*Vonderahe, G. H.		Flour and Feed Mills.	1513 & 1515 Harrison ave.
2269	Von Holle, Theodore		Grain Commission	12 St. Paul Building.
1866	Voorhees, S. R.	Union Savings Bank and Trust Co.	Vice-President	Union Trust Building.
3444	Voorheis, Albert B.		Whisky Brokers	N. E. cor. Pearl and Main sts.
2798	Voss, Henry W.	H. W. Voss & Co.		
3918	Wachs, William C.	German National Bank	Assistant Cashier	S. E. cor. Third and Walnut sts.
3806	Wagner, Christopher P.	C. P. Wagner & Co.	Oils	126 Sycamore st.
4587	Walker, John G.	Sam. W. Weidler Co.	Mfrs. Flour & Commission Products	938-945 W. Sixth st.
953	Wallace, James B.		Real Estate and Auctioneer.	Room D, Cham. of Com. Bldg.
825	Walsh, Dennis F.	James Walsh & Co.	Distillers.	201 Union Trust Building.
1887	Walsh, Nicholas J.	James Walsh & Co.	Molasses and Syrup (Sec'y & Treas.)	201 Union Trust Building.
4590	Walter, Ivan C.	M. H. Alexander Co.	Architectural Iron Work	228-230 E. Front st.
2015	Walton, J. F.	Walton Iron Co.	Commission, Cordage, Sheet, etc.	Spring Grove av. & Monm'th st.
1342	Ward, George W.	George W. Ward & Co.	Transfer and Expressing	224 E. Front st.
2273	Warth, Marcus		Commission, Tallow and Grease	35 W. Pearl st.
278	Washington, W. H.		Commission, Grain	1312 First National Bank Bldg.
621	Wasson, B. W.	B. W. Wasson & Co.	Feed and Grain	910 First National Bank Bldg.
945	Weber, Henry	H. Weber & Co.	Bookkeeper	Station A., Cumminsville, City.
4618	Weber, William H.	with Henry Heile & Sons	Grain and Hay	Walnut and Water sts.
4614	Wehry, Henry E.	with Metzger-Hill Co.	Mill and Bakery	Hopkins st. and President Pl.
3943	Weichselfelder, Philipp	with John Schneider's Son & Co.		1423 & 1424 Walnut st.
391	*Weidler, Samuel W.		Cashier	Twelfth and Vine sts.
3983	Weil, Edward F.	Western German Bank	Commission, Produce, Fruits, etc.	106 E. Front st.
3001	Weil, Samuel, Jr.	S. & M. Weil & Co.	Whiskies (President)	525-528 Union Trust Building.
2437	Weiskopf, Levi	National Distributing Co.	Distilling	Trebein, O.
4629	Weiss, Fred	Colonial Distillery Co.	Canned Goods, Preserves, Pickles	Spring Grove av., near Alabama.
866	Weller, Jacob	The J. Weller Co.	Feathers and Ginseng	211 Vine st.
4334	Wells, S. Percy	Samuel Wells & Co.		42 E. Fourth st.
Welpy, John W., Contracting Agt.		P. C. & St. L. Ry. Co.		411 Poplar st.
Werk, Casimer			Secretary	Central ave. and Dayton st.
965	Werner, Fred. J.	The John Hauck Brewing Co.		
2287				

4393	Wess, Bernard H.	G. J. Wess & Sons.	Grain, Hay, Mill Feed and Coal	Chester Park, O.
1227	West, Robert H.	Long, West & Co.	Live Stock Commission.	Cincinnati Union Stockyards.
4467	Westheimer, Leo F.	Ferdinand Westheimer & Sons.	Distillers.	317 & 319 Main st.
4183	Westheimer, Morris F.	Ferdinand Westheimer & Sons.	Distillers.	317 & 319 Main st.
1040	Wetterer, John.	The Wetterer Brewing Co.	President.	-2125 Central ave.
3044	Whetstone, H. C.	Canadian Pacific Dispatch.	Coal.	Columbia (Station C), City.
3416	White, Burton R.		Agent.	16 Carew Building.
1816	White, John.		Grain Commission.	Chamber of Commerce.
4261	White, John.	Fourth National Bank.	Distillers' Agent.	1348 Harrison ave.
1052	White, M. M., <i>President</i>		Grain Commission.	Third and Walnut sts.
2280	Whitaker, H. S.	The Ault & Wiborg Co.	Broker, Stocks and Bonds.	323-325 Carlisle Building.
1939	Wiborg, Frank B.	Wiborg, Hanna & Co.	Printing Inks, etc.	432 New st.
3231	Wiborg, H. P.	George Wiedemann Brewing Co.	Poplar and Hardwood Lumber.	Cummins st., Fairmount.
3671	Wiedemann, Charles.			Newport, Ky.
4519	Wiedman, Albert J.	Herman Lackman Brewing Co.	Secretary	823 W. Sixth st.
2172	Wieman, B. R.	The Willey Mill & Elevator Co.	Milling, Grain, Coal, Lumber.	Ross, O.
4531	Willey, Stephen E.	Williams Directory Co.	Directory Publishers.	208 Longworth st.
2278	Williams, A. V.	The D. T. Williams Valve Co.	Weigher.	910 Broadway.
4553	Williams, Charles E.	Receivers and Shippers Association.	Valves and Engineering Specialties.	1216-1217 Union Trust Building.
4207	Williams, David T.		Commissioner.	21 W. Third St., Newport, Ky.
4566	Williamson, E. E.			Osgood, Ind.
3468	Williamson, Lawrence.			S. E. cor. Front and Vine sts.
3331	Wilson, William D.	The Shinkle-Wilson-Kreis Co.	Flour Mills—Dairy Farms.	S. E. cor. Front and Vine sts.
750	Wilson, Benjamin C.	The Shinkle-Wilson-Kreis Co.	Wholesale Grocers.	421 Union Trust Building.
749	Wilson, Charles E.	Cincinnati Board of Trade Co.	Wholesale Grocers.	Plum and Liberty sts.
3484	Wilson, E. P.	Windisch-Muhlhauser Brewing Co.	Secretary.	Eight and Eggleston ave.
3508	Windisch, Charles F.	Diem & Wing Paper Co.	Paper Dealers.	57-58 Mitchell Building.
4094	Wing, Charles B.	Cincinnati Transfer Co.		36 Main st.
4104	Winterbottom, William J.	L. Wise & Bros.	Hides, Wool, Furs, etc.	222 & 224 Public Landing.
4276	Wise, Ludwig.	Consolidated Boat Store Co.	Vice-President.	Chamber of Commerce.
1964	Wise, Robert W.		Reporter.	Eight and Broadway.
2661	Wisser, Gustav G.	The Witt Cornice Co.	President.	8 & 10 E. Third st.
3555	Witt, George C.	The J. W. Biles Co.	Whisky Commission.	516 Chamber of Commerce Bldg.
4462	Wittekind, Abe.	Greendale Distilling Co.	Provision Broker.	Lawrenceburg, Ind.
1316	Woesten, John.	Henry Wolter & Co.	Distillers (Secretary and Treasurer).	47 Walnut st.
4440	Wolking, William C.		Commission, Grain, Hay, Produce.	2520 Alms Place.
2847	Wolter, Henry.	The Chatfield & Woods Co.	Grain.	347-351 W. Fourth st.
3060	Wood, Albert G.	The Chatfield & Woods Co.	Paper Dealers.	347-351 W. Fourth st.
4511	Woods, Harry F.		Paper Dealers.	39 Wiggins Block.
1470	Woods, John S.		Real Estate.	
4518	Woodward, James O.			
582	*Woolcroft, John N.	First National Bank.	Attorney at Law.	27 Wiggins Block.
3609	Worthington, William		Vice-President.	S. E. c. Fourth and Walnut sts.
1058	Wright, Clifford B.		Attorney at Law.	914 Mercantile Library Bldg.
3286	Wulsin, Drausin.	D. H. Baldwin & Co.	Pianos and Organs.	142 & 144 W. Fourth st.
940	Wulsin, Lucien.			

* Deceased.

MEMBERS OF THE CINCINNATI CHAMBER OF COMMERCE AND MERCHANTS EXCHANGE.—CONTINUED.

No.	NAME.	FIRM.	BUSINESS.	LOCATION.
4369	Wunker, William.....	Henry Wunker & Son.....	Feed and Coal.....	Carthage, O.
3451	Wyer, Louis.....	Wyer, Ackerland & Co.....	Wholesale Clothing.....	308-312 Elm st.
2568	Wymond, Randall J.....	Samuel Wymond Cooperage Co.....		Aurora, Ind.
4241	Zeckendorf, Alois.....	Fleischmann & Co.....	Superintendent.....	Riverside, City.
2594	Zehler, George.....	The Geo. Zehler Provision Co.....	Provisions and Lard.....	1705 Logan st.
3568	Ziegle, Louis E.....	The John Van Range Co.....	President.....	S. W. cor. Fifth and Broadway.
218	Zimmerman, Eugene.....	C. H. & D. Ry. & Pere Marquette System.	President.....	Carew Building.

HONORARY MEMBERS.

Names.	When Elected.
HENRY PROBASCO*.....	1871
MILES GREENWOOD*.....	1873
JOHN H. GERARD*.....	1874
DAVID SINTON*.....	1875
REUBEN R. SPRINGER*.....	1876
JAMES F. TORRENCE*.....	1877
GEORGE GRAHAM*.....	1878
CHARLES W. WEST*.....	1879
WILLIAM PROCTER*.....	1880
JOSEPH LONGWORTH*.....	1881
JOHN SHERMAN*.....	1883
WILLIAM GLENN*.....	1884
GEORGE H. PENDLETON*.....	1886
JOSEPH RAWSON*.....	1887
HENRY C. UERNER.....	1888
SAMUEL F. COVINGTON*.....	1889
JOHN A. GANO*.....	1890
CHARLES DAVIS*.....	1891
JOHN KENNETT*.....	1892
RICHARD SMITH*.....	1893
JULIUS FREIBERG.....	1894
A. E. ARMSTRONG*.....	1895
DAVID GIBSON*.....	1896
REUBEN A. HOLDEN*.....	1897
PARIS C. BROWN.....	1898
WILLIAM A. PROCTER.....	1899
MICHAEL RYAN.....	1900
GROVE J. PENNEY.....	1901
H. WILSON BROWN.....	1903
JOHN L. VANCE.....	1904
WILLIAM H. TAFT.....	1904

*Died.

JOHN H. GERARD.....	February 10, 1876	JOSEPH RAWSON.....	November 15, 1891
GEORGE GRAHAM.....	March 1, 1881	DAVID GIBSON.....	February 7, 1897
JOSEPH LONGWORTH.....	December 30, 1883	JOHN A. GANO.....	January 15, 1898
WILLIAM PROCTER.....	April 4, 1884	RICHARD SMITH.....	April 22, 1898
CHARLES W. WEST.....	September 21, 1884	JOHN KENNETT.....	December 12, 1898
REUBEN R. SPRINGER.....	December 10, 1884	CHARLES DAVIS.....	October 15, 1899
MILES GREENWOOD.....	November 6, 1885	REUBEN A. HOLDEN.....	May 16, 1900
WILLIAM GLENN.....	July 17, 1887	DAVID SINTON.....	August 31, 1900
JAMES F. TORRENCE.....	September 28, 1887	JOHN SHERMAN.....	October 22, 1900
GEORGE H. PENDLETON.....	November 24, 1889	HENRY PROBASCO.....	October 26, 1902
SAMUEL F. COVINGTON.....	December 26, 1889	A. E. ARMSTRONG.....	April 23, 1905

In Memoriam.

JAMES HEEKIN,	.	.	Aged 60.	Died	January	10, 1904
DAVID A. WHITE,	.	.	" 74.	"	January	23, 1904
T. S. GOODMAN,	.	.	" 79.	"	January	31, 1904
J. F. HEITMEYER,	.	.	" 82.	"	February	20, 1904
W. A. GOODMAN,	.	.	" 81.	"	March	6, 1904
ROBERT ALLISON,	.	.	" 73.	"	March	23, 1904
JOHN BEGGS,	.	.	" 74.	"	April	18, 1904
HENRY STRAUS,	.	.	" 63.	"	May	18, 1904
JAMES LOWMAN,	.	.	" 80.	"	May	28, 1904
JACOB VOGEL, Sr.,	.	.	" 76.	"	June	10, 1904
ALEXANDER MONTGOMERY,	.	.	" 70.	"	June	10, 1904
O. B. FARRELLY,	.	.	" 71.	"	June	23, 1904
M. S. FORBUS,	.	.	" 71.	"	July	4, 1904
O. H. TUDOR,	.	.	" 60.	"	July	15, 1904
SAMUEL W. WEIDLER,	.	.	" 54.	"	September 12,	1904
JACOB SCHEUER,	.	.	" 65.	"	October	21, 1904
HENRY IMMENHORT,	.	.	" 51.	"	November 14,	1904

CLASSIFIED BUSINESS DIRECTORY

OF THE

DIFFERENT LINES OF BUSINESS AND INDUSTRIES

REPRESENTED IN THE MEMBERSHIP OF THE CHAMBER OF COMMERCE.

MAY 2, 1905.

ACCOUNTANT (EXAMINING).

Guy H. Kennedy 403-404 Traction Building.

ATTORNEYS AT LAW.

Albert Bettinger 41 Atlas Bank Building.
 J. H. Bromwell Bromwell & Bruce 18 Masonic Temple.
 Howard Douglass 141 E. Fourth st.
 Herman P. Goebel 910 Mercantile Lib. Bldg.
 J. William Johnson Johnson & Levy 907 Com'l-Tribune Bldg.
 Frank J. Jones 41 E. Fourth st.
 Clifford E. Nadaud 515 Cham. of Com. Bldg.
 Charles H. Stephens Stephens & Lincoln First National Bank Bldg.
 Bellamy Storer (U. S. Ambassador to Austria) 115 E. Fourth st.
 William Worthington 27 Wiggins Block.
 Drausin Wulsin Mercantile Library Bldg.

BAKERS.

National Biscuit Co. Langdon Branch 327 Lock st.
 National Biscuit Co. Muth Branch 411-419 Richmond st.
 Kroger Grocery and Baking Co. 521 Reading Road.
 John Schneider's Son & Co. 1426 Walnut st.
 Geo. H. Strietmann's Sons Co. S. E. cor. 12th & Plum sts.

BANKS AND TRUST COMPANIES.

First National Bank S. E. cor. 4th & Walnut sts.
 Third National Bank 14-18 W. Fourth st.
 Fourth National Bank N. E. cor. 3d & Walnut sts.
 Fifth National Bank S. W. cor. 4th & Vine sts.
 Atlas National Bank 518 Walnut st.
 Citizens' National Bank S. E. cor. 3d & Walnut sts.
 German National Bank S. E. cor. 3d & Walnut sts.
 Market National Bank N. W. cor. 4th & Plum sts.
 Merchants' National Bank Ingalls Building.
 Brighton German Bank Harrison & Colerain aves.
 City Hall Bank 324 & 326 W. Ninth st.
 Franklin Bank 122 E. Third st.
 S. Kuhn & Sons 24 E. Third st.
 Western German Bank Twelfth and Vine sts.
 Central Trust and Safe Deposit Co. 113 & 115 E. Fourth st.
 Covington Savings Bank and Trust Co. Covington, Ky.
 Southern Ohio Loan and Trust Co. S. W. cor. 5th & Main sts.
 Provident Savings Bank and Trust Co. N. W. cor. Vine & Baker sts.
 Union Savings Bank and Trust Co. Union Trust Building.

BANKERS AND BROKERS.—BONDS, STOCKS, INVESTMENT SECURITIES.

Dominick & Dominick.....	333 Walnut st.
P. J. Goodhart & Co.....	First National Bank Bldg.
Holzman & Co.....	Union Trust Building.
William E. Hutton & Co.....	First National Bank Bldg.
Irwin, Ballmann & Co.....	330 Walnut st.
Rudolph Kleybolte & Co.....	S. E. cor. 4th & Walnut sts.
E. N. Laralde.....	112 E. Third st.
A. A. Lisman & Co.....	25 Broad st., New York.
Charles C. Murray.....	405 Union Trust Building.
Seasongood & Mayer.....	406 Walnut st.
Charles M. Thurnauer.....	412 First Nat'l Bank Bldg.

BROKERS.—NEW YORK STOCKS, GRAIN, PROVISIONS.

E. S. Frazer.....	Chamber of Commerce.
Harry E. Frazer.....	Chamber of Commerce.
James K. & John C. Morrison.....	14 Wiggins Block.
Geo. P. Muhlhauser.....	1167 Harrison ave.
O'Dell Commission Co.....	11 E. Third st.
Phoenix Grain and Stock Exchange.....	315 Vine st.
M. D. Thompson.....	Chamber of Commerce.
Harry E. Tilghman (J. E. Jones & Co.).....	112 Carlisle Building.
H. S. Whittaker.....	323 Carlisle Building.

BROKERS.—MISCELLANEOUS.

W. W. Blair & Co.....	Merchandise.....	119 E. Second st.
Gruner & Beckwith.....	Merchandise & Manufacturers' Agts.	25 & 27 W. Second st.
Edward T. Klum.....	Merchandise.....	10 E. Second st.
Bernard Schapker & Co.....	Merchandise.....	15 E. Third st.

BOILERS AND TANKS.

Tudor Boiler Mfg. Co.....	716 E. Pearl st.
---------------------------	------------------

BOOTS AND SHOES.

Alter, McCaffrey Co.....	Manufacturers.....	416 E. Eighth st.
Forwood Shoe Mfg. Co.....	Manufacturers.....	22 W. Third st.

BREWERS.

Henry Adam.....	Camp Washington, City.
Bruckmann Brewing Co.....	Cumminsaville, City.
Foss-Schneider Brewing Co.....	943 Freeman ave.
Gambrinus Stock Co.....	Sycamore and Abigail sts.
Gerke Brewing Co.....	Plum and Canal sts.
Wm. Gerst Brewing Co.....	Nashville, Tenn.
John Hauck Brewing Co.....	Central ave. & Dayton st.
Jung Brewing Co.....	2011 Freeman ave.
Herman Lackman Brewing Co.....	823 W. Sixth st.
Christian Moerlein Brewing Co.....	2019 & 2021 Elm st.
Schaller Brewing Co.....	1622 Main st.
J. Walker Brewing Co.....	1125 Sycamore st.
Wetterer Brewing Co.....	2125 Central ave.
George Wiedemann Brewing Co.....	Newport, Ky.
Windisch-Muhlhauser Brewing Co.....	Plum and Liberty sts.

BUTCHERS' SUPPLIES.

C. Schmidt & Co.....	John and Livingston sts.
----------------------	--------------------------

CANDLES.

Emery Candle Co.....	Mercantile Library Bldg.
Harkness, Cowing & Co.....	513 Eggleston ave.

CHEMICALS.

Alex. Fries & Bro.....	312-316 E. Second st.
Globe Chemical Co.....	Deer Creek, nr. Court st.
Grasselli Chemical Co.....	Pearl st. & Eggleston ave.

CIGARS AND TOBACCO.

James N. Boyd.....	Leaf Tobacco.....	Richmond, Va.
John C. Davis.....	Cigars.....	412 Vine st.
John L. Hite & Co.....	Leaf Tobacco.....	15 W. Water st.
W. H. Lewis & Co.....	Leaf Tobacco.....	19 W. Front st.
Henry Straus.....	Cigars.....	527 & 529 Vine st.

CLOTHING.—MANUFACTURERS AND DEALERS.

Abe Bloch & Co.....	810 Main st.	
Fabian Manufacturing Co.....	Ladies' Skirts.....	225 W. Fourth st.
Mayer, Scheuer, Offner & Co.....	N. E. cor. 3d & Vine sts.	
Menderson Clothing Co.....	409 Com'l-Tribune Bldg.	
Moch, Berman & Co.....	S. W. c. Elm & McFarland sts.	
Wyler, Ackerland & Co.....	308-312 Elm st.	

CLOTHING.—MERCHANT TAILORS.

Henry F. Blase.....	534 Madison ave., Cov., Ky.
E. Hart & Co.....	Power Bldg., 8th & Sycamore.

COAL.

C. G. Blake & Co.....	First National Bank Bldg.
August Benninghofen.....	Hamilton, O.
Big Hill Coal Co.....	1309 Union Trust Bldg.
W. H. Brown's Sons.....	Front and Lawrence sts.
A. R. Budd Coal Co.....	Conestoga Bldg., Pittsburgh, Pa.
Campbell's Creek Coal Co.....	311 Mercantile Lib. Bldg.
Castner, Curran & Bullitt.....	101-102 Neave Building.
Clyde Coal Co.....	Pittsburgh, Pa.
Consolidated Coal and Mining Co.....	8 Mitchell Building.
Covington Coal Co.....	Covington, Ky.
Frederick Drucker.....	Home City, O.
Economy Fuel Co.....	1008 Mercantile Lib. Bldg.
Fairmont Coal Co.....	Traction Building.
Flint & Co.....	Pittsburgh, Pa.
T. J. Hall & Co.....	Foot of Lawrence st.
G. M. Halm & Co.....	Neave Building.
Hatfield Coal Co.....	Covington, Ky.
John T. Hesser & Co.....	802 Neave Building.
A. Hill & Sons.....	Aurora, Ind.
Hinsch Coal and Coke Co.....	719 W. Front st.
W. M. Hubbell, Jr.....	Foot of Race st.
C. Jutte & Co.....	Pittsburgh, Pa.
Kanawha Coal and Coke Co.....	605 First Nat'l Bank Bldg.
Kanawha Fuel Co.....	116 Ingalls Building.
Kroger Coal and Coke Co.....	34 Mitchell Building.
Luhrig Coal Co.....	N. E. cor. 4th & Plum sts.
Marmet Coal Co.....	1107 Traction Building.
Marmet-Halm Coal and Coke Co.....	601 Neave Building.
Otto Marmet Coal and Mining Co.....	Raymond City, W. Va.
Monongahela River Consolidated Coal and Coke Co.....	S. E. c. Front & Lawrence.
A. Montgomery & Co.....	Covington, Ky.
Mount Carbon Co. (Limited).....	Powellton, W. Va.
John Mueller.....	Lockland, O.
New River Consolidated Coal and Coke Co.....	142 Ingalls Building.
S. J. Patterson (Dayton, O.).....	1499 Eastern ave., Cin'ti.
Pittsburgh Coal Co.....	334 W. Fourth st.
Pittsburgh and Buffalo Co.....	Frick Bldg., Pittsburgh, Pa.
The Pocahontas Company.....	575 Reading Road.
Queen City Coal Co.....	Foot of Freeman ave.
Frank J. Rutterer.....	3401 Eastern ave.
W. H. Settle.....	Madisonville, O.
Smokeless Fuel Co.....	132 Ingalls Building.
Trum Coal Co.....	Foot of Mill st.
H. C. Whetstone.....	Station C, Columbia, City.
Winifrede Coal Co.....	1527 Union Trust Bldg.

COAL GAUGERS.

Winfield S. Carr.....	S. E. c. Front & Lawrence.
Harry Rigdon.....	Front and Harriet sts.

CONFECTIONERS.

Reinhart & Newton	8 & 10 W. Second st.
-------------------------	----------------------

CONTRACTORS.—CARPENTERS, BUILDERS, PAINTERS, PLUMBERS, ETC.

Henry Behrens & Co.....	Builders	15 E. Baker st.
M. Marcus Building Co.....	Builders	1513-1521 Plum st.
Murdock Plumbing Co.....	Plumbers	428 Plum st.
Thos. G. Smith, Consulting Engineer—Elec. Light & Power Plants.....		412 Carlisle Building.

COOPERAGE AND COOPERS' STUFF.

Bauer Cooperage Co.....	Lawrenceburg, Ind.
Cincinnati Cooperage Co.....	Riverside, Cincinnati, O.
Hauser, Brenner & Fath Co.....	2129 McLean ave.
P. Hoban.....	Nicholas J. Hoban, Manager.. Race and Water sts.
Samuel Wymond Cooperage Co.....	Aurora, Ind.

CORDAGE—ROPE, ETC.

Jacobs Cordage Co.....	1205 Budd st.
Geo. W. Ward & Co.....	224 E. Front st.

DISTILLERS AND LIQUOR DEALERS.

J. W. Biles Co.....	8 & 10 E. Third st.
W. C. Biles & Co.....	313 Vine st.
Elias Block & Sons.....	511 Union Trust Building.
Leon Block & Co.....	S. W. cor. 3d & Walnut sts.
Clarkson & Clarkson	32 Carew Building.
Clifton Springs Distilling Co.....	Cummins ville, City.
Colonial Distillery Co.....	Trebein, O.
H. F. Corbin & Co.....	425 E. Pearl st.
J. Debar & Co.....	38 Vine st.
M. Dernham & Son.....	243 Main st.
Diamond Distilleries Co.....	417 E. Pearl st.
Distillery Co. No. 2.....	Milldale, Ky.
M. Durner & Co.....	219 E. Third st.
Edgemont Springs Distilling Co.....	Carthage, O.
Fleischmann & Co.....	Plum and Perry sts.
J. & A. Freiberg.....	206 E. Front st.
Freiberg & Kahn.....	52 Main st.
Freiberg & Workum.....	216-220 Public Landing.
Sig. & Sol. H. Freiberg.....	58 Main st.
Furst Bros.....	122 E. Seventh st.
Gerson, Seligman & Co.....	320 Central ave.
Greendale Distilling Co.....	Lawrenceburg, Ind.
A Guckenheimer & Bros.....	37 St. Paul Building.
Hayes Valley Distilling Co.....	Levingood, Ky.
George Herzog & Co.....	30 Main st.
Hoffheimer Bros. Co.....	123 & 125 Sycamore st.
Indiana Distilling Co.....	Terre Haute, Ind.
W. W. Johnson & Co.....	120 Sycamore st.
Klein Bros.....	214 E. Eighth st.
James Levy & Bro.....	307-309 Traction Building.
Live Oak Distilling Co.....	317-321 Sycamore st.
Mayer Bros. Co.....	S. W. cor. Pearl & Walnut.
Mihalovitch, Fletcher Co.....	514-518 E. Pearl st.
Millcreek Distilling Co.....	621 Evans st.
National Distributing Co.....	525-528 Union Trust Bldg.
Old "76" Distilling Co.....	9 Masonic Temple.
Peacock Distilling Co.....	123 E. Third st.
H. E. Pogue Distilling Co.....	909 First Nat'l Bank Bldg.
Rheinstrom, Bettman, Johnson & Co.....	906-910 Sycamore st.
Rheinstrom Bros.....	Pearl and Martin sts.
H. Rosenthal & Sons.....	341 Main st.

Henry M. Rubel Co.....	327 Sycamore st.
Christ. Sandheger.....	123-129 E. Court st.
A. Senior & Son.....	Mitchell Building.
J. Shields & Co.....	226 Main st.
Joseph Silvermann & Co.....	242 Main st.
W. P. Squibb & Co.....	Lawrenceburg, Ind.
Star Distillery Co.....	529 & 531 Walnut st.
Strauss, Pritz & Co.....	909 & 911 Sycamore st.
Sunnyside Distilling Co.....	344 W. Fourth st.
Terre Haute Distilling Co.....	Terre Haute, Ind.
I. Trager & Co.....	327 Walnut st.
F. G. Tullidge & Co.....	111 E. Fifth st.
Union Distilling Co.....	1010 Richmond st.
H. Van Nes Export Co.....	8 & 10 E. Third st.
H. W. Voss & Co.....	N. E. cor. Pearl & Main sts.
James Walsh & Co.....	201 Union Trust Building.
Ferdinand Westheimer & Sons.....	317 & 319 Main st.
John White.....	Chamber of Commerce.
White Oak Distillery Co.....	858 W. Sixth st.

DRY GOODS AND DEPARTMENT STORES.

Alms & Doepke Co.....	Main and Canal sts.
J. H. Hibben Dry Goods Co.....	N. E. cor. 7th & Walnut sts.
Putnam, Hooker Co.....	212-218 E. Third st.
John Shillito Co.....	Race, 7th & Shillito Place.
Louis Stix & Co.....	S. W. cor. 3d & Race sts.

ELEVATORS.

James H. Curran Elevator Co.....	114 W. Second st.
Warner Elevator Mfg. Co.....	2613 Spring Grove ave.

FEATHERS—CURLED HAIR.

P. R. Mitchell Co.....	Harrison & Spring Grove aves.
Samuel Wells & Co.....	211 Vine st.

FLOUR DEALERS.

Allen & Munson.....	910 First Nat'l Bank Bldg.
Frederick A. Brauer.....	852 W. Sixth st.
Henry W. Brown & Co.....	842 W. Sixth st.
Dair Bros.....	Millers. Harrison, O.
The Dorsel Company.....	Millers. Newport, Ky.
J. H. Dunholter & Co.....	55 Walnut st.
Eckhardt & Raible.....	933 W. Fifth st.
John H. Fedders & Sons.....	Covington, Ky.
Felss Flour Milling Co.....	Millers. N. W. c. 3d & Baymiller sts.
Ben. Ficker.....	11 Jordan st.
Foulds Milling Co.....	Millers. 1225 Budd st.
Gale Brothers Co.....	Third & W. Front sts.
Heid & Koss.....	305 Vine st.
D. Hoppe & Co.....	31 Walnut st.
Hunter Bros. Milling Co. (St. Louis).....	Millers. 1231 Union Trust Bldg.
Charles E. Knaul.....	517 Cham. of Com. Bldg.
Lawrenceburg Roller Mills Co.....	Millers. Lawrenceburg, Ind.
Lockland Milling Co.....	Millers. Lockland, O.
McCoy Bros.....	Millers. Liberty, Ind.
Clifford E. Nadaud.....	515 Cham. of Com. Bldg.
Henry Nagel & Son.....	Millers. 2168 McLean ave.
Nordmeyer & Berding.....	Millers. Covington, Ky.
Joseph G. Orth & Co.....	Millers. Newport, Ky.
Perin Bros.....	Millers. 14-18 E. Front st.
Albert Roeder.....	123 E. Liberty st.
A. Schmitt & Co.....	850 W. Sixth st.
John Schneider's Son & Co.....	Millers. 1422 & 1424 Walnut st.
John Schriewer & Co.....	Millers. Pearl and Plum sts.
Adam Smyrl & Co.....	7 Mitchell Building.
Union Roller Mills and Grain Elev.....	Millers. Harrison, O.
Theodore Von Holle & Son.....	Millers. 1515 Harrison ave.
H. Weber & Co.....	Millers. Cummins ville, City.
Sam. W. Weidler Co.....	Millers. 938 W. Sixth st.

FLOUR DEALERS—CONTINUED.

Wm. D. Willson.....	Miller.....	Osgood, Ind.
Wiley Mill and Elevator Co.....	Millers.....	Ross, O.
Henry Wolter & Co.....		47 Walnut st.
Monroe Izor.....	Flour Inspector.....	55 Walnut st.

FURNACES—STOVES—RANGES.

John Van Range Co.....		S. W. cor. 5th & Broadway.
Peck-Williamson Co.....		335 W. Fifth st.
F. & L. Kahn & Bros.....	Stoves and Ranges.....	Hamilton, O.

FURNITURE.

Hartwell Furniture Co.....		121 W. Fourth st.
----------------------------	--	-------------------

GLASSWARE.

Hemingray Glass Co.....	Manufacturers.....	Covington, Ky.
F. A. Schwill & Son.....	Jobbers.....	312 Main st.

GRAIN AND HAY.

Allen & Munson.....		910 First Nat'l Bank Bldg.
P. Andrew & Co.....		901 & 903 E. Front st.
Andrew Bender.....		511 Cham. of Com. Bldg.
Max Blumenthal.....		7 Mitchell Building.
Harry J. Borgmann.....		1211 W. Sixth st.
Samuel Born Co.....		Lafayette, Ind.
Braun & Kipp.....		Sixth and Evans sts.
W. G. Brosenne.....		Covington, Ky.
Brown & Patterson.....		1521-1527 Eastern ave.
Barney Bunke.....		Fairmount, City.
H. N. Christy.....		Room D, Cham. of Com. Bldg.
Cincinnati Grain Co.....		326 Carlisle Building.
Collins & Co.....		222 W. Fourth st.
Corryville Feed Co.....		2355 Vine st.
Dewey Bros. Company.....		Blanchester, O.
Dickmeier Bros.....		3710 Spring Grove ave.
The Dorsel Company.....		Newport, Ky.
R. A. Dykins & Co.....		Chamber of Commerce.
Early & Daniel Co.....		Sixth and Harriet sts.
F. W. Elberg.....		Elmwood Place, O.
Ellis & Fleming.....		512 Cham. of Com. Bldg.
Frederick L. Emmert.....		1924 Pleasant st.
John H. Fedders & Sons.....		Covington, Ky.
J. W. Fisher & Co.....		116 & 118 E. Water st.
R. G. Frederick (Kiewit & Frederick).....		Harrison, O.
Gale Bros Co.....		Third & W. Front sts.
Goemann Grain Co.....		Spitzer Bldg., Toledo, O.
Henry J. Good & Co.....		Sixth & Carr sts.
E. A. Grubbs Grain Co.....		Greenville, O.
H. W. Hamann & Co.....		Harrison ave. & B. & O. S-W. R.R.
G. Hehman & Son.....		131 & 133 E. Water st.
Henry Heile & Sons.....		N. E. c. Walnut & Water sts.
J. H. Hermesesch Co.....		11 & 13 Main st.
Henry Herzog & Co.....		S. W. cor. Main & Water sts.
Joseph Heuermann.....		Court and Broadway.
D. Hoppe & Co.....		31 Walnut st.
Hunter Bros. Milling Co. (St. Louis).....		1231 Union Trust Bldg.
Interstate Grain Co.....		65 Mitchell Building.
George Keller.....		Newport, Ky.
Charles E. Knaul.....		517 Cham. of Com. Bldg.
Edward G. Koehl.....		Reading, O.
Wm. H. Kramer.....		1110 Sycamore st.
Kyle & Williamson.....		Kyle's, O.
John B. Lampe.....		Carthage, O.
Loudon & Co.....		Room D, Cham. of Com.
Maguire & Co.....		511 Cham. of Com. Bldg.
Metzger-Hill Co.....		Hopkins st. & President Pl.
Mueller & Young Grain Co.....	(Paul L. Sohngen).....	Hamilton, O.

Christian Muhlhauser.....	1167 Harrison ave.
Joseph G. Orth & Co.....	Newport, Ky.
Patterson & Evans.....	52 Vine st.
H. H. Payne.....	Camden, O.
Perin Bros.....	14-18 E. Front st.
D. Rothschild Grain Co.....	Davenport, Iowa.
J. J. Rucker & Co.....	Hebron, Ky.
John Schriewer & Co.....	Pearl and Plum sts.
Shollenbarger & Fisher.....	Collinsville, Butler Co., O.
J. B. Sicking.....	1709 Elm st.
Adam Smysl & Co.....	7 Mitchell Building.
Southern Grain Co.....	506 Cham. of Com. Bldg.
Wm. Toepke.....	Oakley, O.
Toledo Elevator Co.....	Shelbyville, Ind.
Union Grain and Hay Co.....	Rawson Building.
W. L. Van Hise.....	West Chester, O.
S. A. Van Horn.....	Lawrenceburg, Ind.
Van Leunen Co.....	323-325 Carlisle Building
S. R. Voorhees.....	12 St. Paul Building.
B. W. Wasson & Co.....	910 First Nat'l Bank Bldg.
H. Weber & Co.....	Cumminsville, City.
Sam. W. Weidler Co.....	938 W. Sixth st.
G. J. Wees & Sons.....	Chester Park, O.
Whitcomb & Root.....	48 Mitchell Building.
John White.....	1348 Harrison ave.
Willey Mill and Elevator Co.....	Ross, O.
Henry Wolter & Co.....	47 Walnut st.
Albert G. Wood.....	2520 Alms Place.
Henry Wunker & Son.....	Carthage, O.
Homer Chisman.....	Grain and Hay Inspector... 1236 W. 6th & Cham. of Com.

GRAIN ELEVATORS.

Big Four Grain Elevator.....	Harriet st. & Big Four Ry.
Brown & Patterson.....	1521-1527 Eastern ave.
Canal Elevator and Warehouse Co.....	Court and Broadway.
Cincinnati Elevator Co.....	932 W. Fifth st.
Dickmeier Bros.....	3704 Spring Grove ave.
Early & Daniel Co.....	Sixth and Harriet sts.
Gale Bros. Co.....	Third and W. Front sts.
Henry J. Good & Co.....	Sixth and Carr sts.
Henry Heile & Sons.....	Walnut and Water sts.
Metzger-Hill Co.....	Hopkins st. & President Pl.
Union Grain and Hay Co.....	Rawson Building.
H. Weber & Co.....	Cumminsville, City.

GROCERIES.—COFFEES, TEAS, SPICES, SUGAR, ETC.

M. H. Alexander Co.....	Molasses.....	226-230 E. Front st.
Consolidated Boat Store Co.....	.....	222 Public Landing.
Great China Tea Co.....	.....	11 Vine st.
S. T. Griffiths & Bro.....	.....	534 Walnut st.
W. H. Harrison & Co.....	Spice Mills.....	17 E. Second st.
James Heekin Co.....	Coffees and Spices.....	N. W. c. Walnut & Water sts.
R. A. Holden & Co.....	Dried Fruits.....	46 Main st.
A. Janszen & Co.....	.....	S. E. cor. 2d & Walnut sts.
J. C. Kerr & Co.....	.....	26 W. Second st.
Kroger Grocery and Baking Co.....	.....	521 Reading Road.
James Mahoney.....	.....	232 Broadway.
Minor & Dixon Co.....	.....	212 & 214 Vine st.
Shinkle, Wilson & Kreis Co.....	.....	S. E. cor. Front & Vine sts.

HOTELS—RESTAURANTS.

Burnet House.....	T. J. Cullen, Manager.....	Third and Vine sts.
St. Nicholas Hotel.....	E. N. Roth, Proprietor.....	Fourth and Race sts.

ICE—COLD STORAGE.

Cincinnati Ice Co. (Incorp. 1905).....	N. W. cor. Race & Canal.
Cincinnati Ice Mfg. and Cold Storage Co.....	417 E. Court st.
R. F. Caldwell.....	Covington, Ky.
Ice Delivery Company.....	N. W. cor. Race & Canal.

INSURANCE (FIRE).**HOME COMPANIES**

Cincinnati Equitable Ins. Co.	38 E. Third st.
Eureka Fire and Marine Ins. Co.	121 E. Third st.
Merchants' and Manufacturers' Ins. Co.	404 First Nat'l Bank Bldg.
National Insurance Co.	1201 First Nat'l Bank Bldg.
Security Insurance Co.	121 E Third st.

AGENCIES.

J. M. DeCamp.	S. W. cor. 3d & Main sts.
P. R. Fortney.	Masonic Temple.
Gray, Dolle & Latta.	96 & 97 Ingalls Building.
Jones, Montgomery & Haass.	704-705 Traction Building.
Geo. W. Neare, Gibbs & Co.	516 Union Trust Building.
C. Gordon Neff & Co.	115 E. Third st.
Frederick Rauh & Co.	1202 First Nat'l Bank Bldg.
J. F. Runck & Co.	14 & 16 E. Third st.
Albert W. Schell & Co.	1410 First Nat'l Bank Bldg.
Sears' Insurance Agency.	41 E. Fourth st.
Edward E. Shipley.	603 First Nat'l Bank Bldg.
Simon Sturm.	116 E. Third st.

SOLICITORS.

James Dillaby.	1201 First Nat'l Bank Bldg.
Edward C. Hill.	404 First Nat'l Bank Bldg.
William G. Irwin.	Hartwell, O.

INSURANCE (LIFE).**HOME COMPANIES.**

Union Central Life Ins. Co. of Cin'ti.	John M. Pattison, President.	S. E. cor. 4th & Central ave.
--	------------------------------	-------------------------------

AGENCIES.

Sol. Bloch—Union Central Life Ins. Co. (Cincinnati)	S. W. cor. Fourth & Race.
William Boswell—Security Mutual Life Ins. Co. (Binghamton, N. Y.)	507-509 Cham. of Com.
W. A. R. Bruehl & Co.—Home Life Ins. Co. (New York)	222 W. Fourth st.
Collin Ford—Ætna Life Ins. Co. (Hartford, Conn.)	Commercial-Tribune Bldg.
M. J. Mack—Northwestern Mutual Life Ins. Co. (Milwaukee)	Traction Building.
Frank H. Simpson—Mutual Benefit Life Ins. Co. (Newark, N. J.)	31-32 Ingalls Building.
E. C. Skinner—Washington Life Ins. Co. (New York)	604 Union Trust Building.

INSURANCE.—LIABILITY, CASUALTY, BONDS.

E. E. Shipley—United States Fidelity and Guaranty Co. (Baltimore)	603 First Nat'l Bank Bldg.
---	----------------------------

IRON AND STEEL—PIG IRON.

American Rolling Mill Co.	Middletown, O.
Block-Pollak Iron Co. (Carthage, O.)	P. O. Box 678, Cin'ti.
Dayton Coal and Iron Co.	First National Bank Bldg.
Jones & Laughlin Steel Co. (Limited)	1209 Union Trust Bldg.
W. F. Robertson Steel and Iron Co.	Front and Elm sts.
Rogers, Brown & Co.	Carew Building.
Walton Iron Co.	Architectural
	Spring Grove ave.

LEATHER—HIDES—WOOL.

Griess, Pfeleger & Co.	Leather	810 Sycamore st.
M. Marienthal & Sons	Hides and Wool	551 Poplar st.
L. Wise & Bros.	Hides and Wool	36 Main st.
Butchers' Hide Association	Tanners	508 Poplar st.
Ohio & Ky. Kid Leather Mfg. Co.	Tanners	Spring Grove ave.

LIVERY AND UNDERTAKING.

John Eggers.	953-957 Curtis st.
T. J. Mulvihill.	620 Sycamore st.
J. J. Sullivan & Co.	421 Central ave.

LIVE STOCK.

Thomas Blong.	Eggleston Ave. Stockyards.
A. L. Bramble	Stockton, Butler Co., O.
L. F. Brown & Co.	2740 Spring Grove ave.
Abe Furst.	22 E Eighth st.
George Frondorf.	Bridgetown, O.
Greene & Embry.	Cin. Union Stockyards.

Hubbard, Hauss & Ragsdale.....	Cin. Union Stockyards.
Long, West & Co.....	Cin. Union Stockyards.
H. H. Payne.....	Camden, O.
J. F. Sadler & Co.....	Cin. Union Stockyards.
George Slimer, Jr.....	John and Livingston sts.
Stern, Frank & Co.....	Cin. Union Stockyards.
W. L. Van Hise.....	West Chester, O.

STOCKYARDS.

Cincinnati Union Stockyards	Spring Grove ave.
Eggleston Avenue Stockyards	Eggleston ave.
Slimer's Stockyards.....	John and Livingston sts.

LUMBER.

Leland G. Banning.....	S. W. cor. 5th & Main sts.
Bennett & Witte.....	222 W. Fourth st.
C. Crane & Co.....	1739 Eastern ave.
R. H. Flemming.....	Ludlow, Ky.
Maley, Thompson & Moffett Co.....	Eighth & Evans sts.
H. W. Meier, Jr.....	McMicken and Ohio aves.
T. B. Stone Lumber Co.....	1027-1029 Union Trust Bldg.
Wiborg, Hanna Co.....	Cummins st., Fairmount.

MERCANTILE AGENCIES.

The Bradstreet Co.....	L. C. Goodale, Sup't.....	301-306 Union Trust Bldg.
R. G. Dun & Co.....	Jos. A. Scarlett, Dist. Mgr.....	Ingalls Building.

MACHINERY.

Hoffman & Ahlers.....	Copper Works.....	830 E. Pearl st.
Bullock Electric Mfg. Co.....	Dynamos and Motors.....	Norwood, O.
Straub Machinery Co.....	Flour Mill and Distill. Mch'y.....	1948-1956 W. Sixth st.
De La Vergne Refrig. Mach. Co.(N.Y.)	Ice Machines	811 Neave Building.
Triumph Ice Machine Co.....	Ice Machines.....	610 Baymiller st.
Laidlaw-Dunn-Gordon Co.....	Pumping Machinery.....	211 W. Fourth st.
John H. McGowan Co.....	Pumping Machinery.....	54 Central ave.
I. & E. Greenwald Co.....	Machinists & Engine Builders.....	720 E. Pearl st.
Houston, Stanwood & Gamble Co....	Machinists & Engine Builders.....	Covington, Ky.
J. A. Fay & Egan Co.....	Woodworking Machinery.....	Front and John sts.

MALT-HOPS-BREWERS' SUPPLIES.

P. Andrew & Co.....	901 & 903 E. Front st.
Burger Bros.....	83 E. McMicken ave.
Cincinnati Bung-Bush Co.....	1256 Richmond st.
Elsas & Pritz.....	214 E. Court st.
Herman Goepper Co.....	S. W. c. Hunt & Sycamore.
Piqua Malt Co.....	N. E. c. Pearl & Main sts.
Riverside Malting & Elevator Co.....	419 Plum st.

MISCELLANEOUS.

SUNDRY LINES OF BUSINESS NOT OTHERWISE CLASSIFIED.

Mente & Co.....	Bags	New Orleans, La.
Bradford Belting Co.....	Belting	N. W. cor. 2d & Walnut sts.
J. M. Blair Brick Co.....	Brick	Builders' Exchange.
Bromwell Brush and Wire Goods Co..	Brushes and Wire Goods.....	612 W. Sixth st.
Sam. W. Trost.....	Cigar Boxes.....	12-16 W. Canal st.
Witt Cornice Co.....	Cornices, Roofing, etc.....	Eighth and Broadway.
French Bros. Dairy Co.....	Dairy Goods, Ice Cream.....	312-318 W. Seventh st.
S. Obermayer Co.....	Foundry Facings.....	641 Evans st.
Crane-Breed Mfg. Co.....	Hearses, Burial Caskets, etc.....	1213 W. Eighth st.
Fox & Jewell.....	Horses and Mules.....	3128 Spring Grove ave.
Ault & Wiborg Co.....	Ink (Printing).....	432 New st.
Lindenberg Strauss & Co.....	Jewelers	11-12 Carew Building.
Pettibone Bros. Mfg. Co.....	Regalia and Uniforms.....	626-632 Main st.
Perkins-Campbell Co.....	Saddlery and Harness.....	622-626 Broadway.
E. T. Sprague.....	Shirts.....	7 Wiggins Block.
Homan Manufacturing Co.....	Silver-plated Ware	214-226 E. Seventh st.
F. H. Lawson Co.....	Tin and Japan Ware.....	437 & 439 Main st.
Nathan Drucker & Co.....	Trunks	Ninth and Broadway.
American Valve & Meter Co.....	Valves, Brass & Iron Specialties.....	1119-1125 Gest st.
D. T. Williams Valve Co.....	Valves, Brass & Iron Specialties.....	904-910 Broadway.
Stearns & Foster Co.....	Wadding and Batting.....	118 & 120 E. Canal st.

NAVAL STORES.

H. Garlick & Co.....	116 W. Pearl st.
Hoses & Co.....	S.W. c. Front & Main sta.

NEWSPAPERS AND TRADE PUBLICATIONS.

Cincinnati Daily Bulletin.....	R. B. Stephenson, Proprietor..	127 E. Third st.
Cincinnati Enquirer.....	John R. McLean, President....	617 Vine st.
Cincinnati Post.....	Milton A. McRae, Manager....	211-221 Longworth st.
Cincinnati Price Current.....	C. B. Murray, Editor & Prop'r.	Government Place.
Cincinnati Price Current.....	Jos. D. Morten, Reporter.....	Government Place.
Cincinnati Times-Star.....	Chas. P. Taft, President.....	N. E. cor. 6th & Walnut sta.
Cincinnati Volksblatt.....	Leopold Markbreit, President..	637 Vine st.
Commercial-Tribune Co.....	E. O. Eshelby, President.....	Com'l-Tribune Bldg.
Mida's Criterion of Chicago.....	F. P. Thomas, Local Manager..	1209 First Nat'l Bank Bldg.

OILS.

American Cotton Oil Co.....	441-465 E. Sixth st.
Bueckhardt & Co.....	323 Sycamore st.
Daniels Linseed Co.....	944 W. Fifth st.
The C. H. Moore Oil Co.....	641-647 W. Front st.
Standard Oil Co.....	105 E. Pearl st.
C. P. Wagner & Co.....	126 Sycamore st.

PAINTS—GLASS—OILS, ETC.

Barron, Boyle Co.....	230 E. Fifth st.
-----------------------	------------------

PAPER.

Chatfield & Woods Co.....	347-351 W. Fourth st.
Diem & Wing Paper Co.....	Eighth & Eggleston ave.
Haldeman Paper Co.....	Lockland, O.

PIANOS.

D. H. Baldwin & Co.....	142 & 144 W. Fourth st.
Krell-French Piano Co.....	New Castle, Ind.

PICKLES—PRESERVES—VINEGAR.

J. Weller Co.....	Spring Grove ave.
-------------------	-------------------

PORK PACKERS—PROVISIONS—LARD.

Armcast, Riley & Co.....	113 E. Front st.	
Armour Packing Co. (Kansas City) ..	E. G. Streit, Agent.....	33 Main st.
Cincinnati Abattoir Co.....		3251 Spring Grove ave.
Cincinnati Provision Export Co.....		Cham. of Com. Bldg.
J. H. Dunholter & Co.....		55 Walnut st.
Ernst Adolph Freund.....		1213-1217 W. Liberty st.
R. Haskins & Co.....		205 Walnut st.
John Hoffmann Packing Co.....	S.W. c. Cent. ave & Baymiller st.	
John Hoffmann's Sons.....		2148 Coleman st.
Charles Jacob.....		1972-1974 Plum st.
A. Loewenstein's Sons.....		S. W. c. John & Livingston.
Jacob Lohrey.....	(Also Smoked Fish).....	2147-2151 Kindel ave.
Maescher & Co.....		1754 & 1756 Central ave.
H. H. Meyer Packing Co.....		Linn st. and Central ave.
Thomas Morrison & Co.....		Bank and Winchell ave.
Nelson Morris & Co. (Chicago).....		121 E. Second st.
Omaha Packing Co. (Chicago).....	Chas. W. Riley, Jr., Agent.....	110 E. Second st.
John Raum & Co.....		306 & 308 E. Pearl st.
J. Rawson's Sons.....		Spring Grove ave.
John C. Roth Packing Co.....		1010 Gest st.
George Rupp & Co.....		Hamilton, O.
A. Sander Packing Co.....		1022 Gest st.
J. & F. Schroth Packing Co.....		Camp Washington, City.
J. A. Severet & Co.....		32 E. Front st.
Jacob Vogel & Son.....		2604 Colerain ave.
George Zehler Provision Co.....		1709 Logan st.

PROVISION BROKERS.

Geo. H. Huschart.....	41 E. Fourth st.
Robert Montgomery.....	41 E. Fourth st.
James K. & John C. Morrison.....	14 Wiggins Block.
Charles Rockel.....	58 Walnut st.
Bernard Schapker & Co.....	15 E. Third st.
William A. Slusser.....	123 E. Second st.
John E. Stone.....	Room C, Cham. of Com. Bldg.
M. D. Thompson.....	Chamber of Commerce.
W. H. Washington.....	1312 First Nat'l Bank Bldg.
John Woesten.....	516 Cham. of Com. Bldg.

PRODUCE COMMISSION MERCHANTS.**FRUITS, VEGETABLES, BUTTER, CHEESE, EGGS, POULTRY, ETC.**

Armacoast, Riley & Co.....	113 E. Front st.
James A. Baird & Co.....	126 E. Front st.
Bergewisch & Becky.....	1009 Race st.
Blome & Dreifus.....	1010 Race st.
I. J. Cannon & Co.....	110 E. Front st.
F. Delsignore & Co.....	114 E. Front st.
Christ. Eberle Sons.....	206 W. Sixth st.
Finke & Schwier.....	1008 Race st.
Funk Brothers.....	228 W. Sixth st.
Glas, Bloom & Co.....	115 E. Front st.
Goyert & Vogel.....	49 Walnut st.
Charles Heidrich & Co.....	33 Walnut st.
Charles H. Hess & Co.....	24 W. Court st.
D. Hoppe & Co.....	31 Walnut st.
F. Jelke & Son Co.....	53 Walnut st.
F. Kushman & Co.....	133 E. Front st.
Keystone Commercial Co.....	Pittsburgh, Pa.
Lett & Co.....	48 Walnut st.
J. Leverone & Co.....	100 & 102 E. Front st.
N. Longfellow & Co.....	126 E. Front st.
W. P. Mappes & Co.....	8 & 10 W. Court st.
John C. Mulvihill.....	38 Walnut st.
A. G. Norman & Co.....	40 Walnut st.
Andrew Rohan Co.....	50 Walnut st.
Romer Bros.....	1011 Race st.
A. Rover & Co.....	221 W. Sixth st.
Telker & Dunker.....	118 E. Court st.
S. & M. Weil & Co.....	106 E. Front st.
Henry Wolter & Co.....	47 Walnut st.

RAILROADS—EXPRESS COMPANIES—FAST FREIGHT LINES.

ADAMS EXPRESS CO.:	
Charles F. Barrett.....	Agent.....416 Main st.
William W. Glen.....	Auditor.....Express Bldg., Front & Butler sts.
AMERICAN EXPRESS CO.:	
Charles G. Kingsbury.....	General Agent.....16 E. Fourth st.
BALTIMORE & OHIO SOUTHWESTERN RY. CO.:	
Charles W. Tomlinson.....	Division Freight Agent.....510 Traction Building.
Charles E. Fish.....	Local Freight Agent.....Second and Smith sts.
CHESAPEAKE & OHIO R. R. CO.:	
Thornton Lewis.....	Gen'l Western Freight Agt....Ingalls Building.
James T. Earle.....	Local Freight Agent.....525 W. Fourth st.
CINCINNATI, HAMILTON & DAYTON RY. AND PERE MARQUETTE SYSTEM:	
Eugene Zimmerman.....	President.....Carew Building.
F. H. Short.....	.....Carew Building.
A. H. McLeod.....	Freight Traffic Manager.....Carew Building.
Albert D. McLeod.....	Ass't General Freight Agent..Carew Building.
Stuart A. Allen.....	Southern Agent.....Carew Building.
Charles A. Barnard.....	Local Freight Agent.....Sixth and Baymiller sts.
Paul C. Benedict.....	Passenger Agent.....S. E. cor. 5th & Walnut sts.
CINCINNATI, NEW ORLEANS & TEXAS PACIFIC RY.:	
William J. Murphy.....	Vice-President.....Ingalls Building.
George P. Biles.....	General Freight Agent.....Ingalls Building.
William C. Rinearson.....	General Passenger Agent.....Ingalls Building.

RAILROADS—EXPRESS COMPANIES—FAST FREIGHT LINES—CONTINUED.

CINCINNATI, NEW ORLEANS & TEXAS PACIFIC RY.:

J. M. Arnold.....Local Freight Agent.....Front and Mill sts.
J. B. Clancey.....Commercial Agent.....N. W. cor. 4th & Vine sts.

CLEVELAND, CINCINNATI, CHICAGO & ST. LOUIS RY. CO.:

M. E. Ingalls.....Chairman of the Board.....Big Four Office Building.
Frank D. Comstock.....Local Treasurer.....Big Four Office Building.
George H. Ingalls.....Gen'l Freight Agent.....Big Four Office Building.
Charles J. Brister.....Ass't Gen'l Freight Agent.....Big Four Office Building.
George Metzger.....Division Freight Agent.....Big Four Office Building.
T. A. Conner.....Local Freight Agent.....Pearl st. and Central ave.
N. R. Johnson.....General Agent.....37 Ingalls Building.
Charles F. Adams.....Contracting Agent.....37 Ingalls Building.
John S. Fitzgerald.....Contracting Agent.....37 Ingalls Building.
John D. Lindsay.....Agt. Big Four Grain Elev.....Harriet st. & Big Four Ry.

LITTLE MIAMI R. R. Co.:

H. C. Urner.....Secretary and Treasurer.....114 E. Third st.

LOUISVILLE & NASHVILLE R. R. Co.:

Brent Arnold.....Division Freight Agt. & Sup't.. 501 Cham. of Com. Bldg.
W. W. Alexander.....Local Freight Agent.....Front and Butler sts.
E. C. Arnold.....Contracting Freight Agent.....S. E. cor. 5th & Vine sts.
John A. Hosty.....Soliciting Agent.....S. E. cor. 5th & Vine sts.

PITTSBURGH, CINCINNATI, CHICAGO & ST. LOUIS RY.:

J. A. McCrea.....Sup't Cincinnati Division.....Front and Butler sts.
S. C. Matthews.....Division Freight Agent.....901 Union Trust Building.
John W. Welply.....Contracting Agent.....42 E. Fourth st.
A. L. Robinett.....Local Freight Agent.....Front and Butler sts.

Atlantic Coast Line R. R. Co.....S. H. Dare, Gen'l West. Frt. Agt. 507 Union Trust Building.
Blue Ridge Dispatch.....Justin J. Johnson, Agent.....810 Traction Building.
Canadian Pacific Dispatch.....Burton R. White, Agent.....16 Carew Building.
Canada Southern Line, also Blue Line.....Chas. H. King, Com'l Agent.....607 Traction Building.
Central of Georgia R. R.....George T. Solar, Com'l Agent.....531 Union Trust Building.
Cincinnati Car Service Bureau.....O. G. Fetter, Manager.....10 Carew Building.
Cin., Lebanon & Northern Ry. Co.....Clay Rockwell, Gen. Freight & Pass. Agt. Court, nr. Broadway.
Chic., Indianapolis & Louisville Ry.....Geo. S. Brecount, Com'l Agt.....S. E. cor. 5th & Walnut sts.
Continental Line.....Thos. H. Noonan, Gen'l Mgr. 902 First Nat'l Bank Bldg.
Central States Dispatch.....Chas. W. Tomlinson, Gen'l Agt. 510 Traction Building.
Cumberland Gap Dispatch.....Wm. Y. Brent, Soliciting Agt.....S. E. cor. 5th & Vine sts.
Empire Line.....Wm. F. Burbank, Agent.....Ingalls Bldg.
Erie Railroad Co.....Chas. P. Morse, Gen'l Agent.....304 Mercantile Lib. Bldg.
Georgia Railroad.....A. R. Morgan, Com'l Agent.....630 Union Trust Building.
Illinois Central R. R.....W. E. Downing, Com'l Agent.....423 Vine st.
Kanawha Dispatch.....Thornton Lewis, Manager.....Ingalls Building.
Kanawha Dispatch.....W. O. Paxton, Agent.....810 Traction Building.
Lackawanna Fast Freight Line.....S. E. cor. 5th & Walnut sts.
Nashville, Chattanooga & St. L. R. R.....D. J. Mullaney, Com'l Agent.....23 Carew Building.
Norfolk & Western Railway.....L. V. Finkle, Gen'l Agent.....45 E. Fourth st.
Plant System of Railways.....(See Atlantic Coast Line.)
Seaboard Air Line R. R.....E. R. Vazeille, Com'l Agent.....604 Mercantile Lib. Bldg.
Southern Railway.....C. J. D'Amour, Com'l Agent.....204 Neave Building.
Star Union Line.....Robert B. Bowman, Agent.....42 E. Fourth st.
Star Union Line.....A. S. Matchette, Sol'g Agent.....42 E. Fourth st.
White Line & West Shore Line.....W. S. Morrill, Agent.....N. E. cor. 4th & Vine sts.
White Line & West Shore Line.....Phil. H. Metzger, Cont'g Agt.....N. E. cor. 4th & Vine sts.

REAL ESTATE—AUCTIONEERS—LOANS.

C. C. Breuer.....303 W. Third st.
W. T. Buckner.....221 E. Fourth st.
Wm. H. Davis.....41 E. Fourth st.
W. V. Ebersole & Co.....240 E. Fourth st.
Thomas Emery's Sons.....Mercantile Library Bldg.
A. G. Erkenbrecher.....1315 Union Trust Bldg.
Ezekiel & Bernheim.....334 Main st.
E. W. Murphey.....Agent, Groesbeck Estate.....407 Johnston Building.
Frederick A. Schmidt.....114 E. Fourth st.
John Sullivan.....131 E. Fourth st.

James B. Wallace.....Room D, Cham. of Com. Bldg.
James O. Woodward.....39 Wiggins Block.

RIVER TRANSPORTATION.

John Barrett & Son.....Towboating.....513 Cham. of Com. Bldg.
Campbell's Creek Coal Co.....Towboating and Freighting...311 Mercantile Lib. Bldg.
Collins & Hartweg Co.....Towboating.....Foot of Race st.
Thomas J. Hall.....Towboating.....Foot of Lawrence st.
Huntington & St. Louis Towboat Co...Chas. J. Menges, Supt.....Front and Lawrence sta.
Louisville & Cincinnati Packet Co...F. A. Laidley, Gen'l Mgr.....Foot of Main st.
Pittsburgh & Cincinnati Packet Co. { J. F. Ellison, Sup't.....204 E. Front st.
 { E. R. Mauck, Gen'l Agent.....204 E. Front st.
Coney Island Whariboat Co..... { L. H. Brooks, Pres't.....Foot of Broadway.
 { J. F. Ellison, Sec'y and Treas..Foot of Broadway.

ROOFING—ROOFING MATERIALS.

John E. Breese & Bro.....405 Central ave.

SAFES AND VAULTS—TIME LOCKS.

Hall's Safe Co.....Spring Grove ave. & Kinney st.
Herring-Hall-Marvin Safe Co.....Hamilton, O.
Mosler Safe Co.....8 W. Third st.
Victor Safe and Lock Co.....Ninth and Broadway.
Consolidated Time Lock Co.....Time Locks.....315 & 317 W. Fourth st.

SALT.

J. H. Dunholter & Co.....55 Walnut st.
P. L. Clifton.....Pomeroy, O.

SCALES.

Cincinnati Scale Mfg. Co.....212 Walnut st.
Fairbanks, Morse & Co.....307 Walnut st.

SEEDS.

J. M. McCullough's Sons Co.....316 & 318 Walnut st.
J. Charles McCullough.....N. E. cor. 2d & Walnut sta.
Patterson & Evans.....52 Vine st.

SOAPS.

Desmond & Ryan.....2643 Spring Grove ave.
Globe Soap Co.....106 E. Water st.
Procter & Gamble Co. (Ivorydale, O.).....United Bank Bldg., Cin'ti.
M. Werk Co.....411 Poplar st.

STATIONERS—LITHOGRAPHERS—PUBLISHERS

W. B. Carpenter Co.....310 Walnut st.
Henderson Lithographing Co.....418-422 Sycamore st.
Jones Bros. Publishing Co.....111-117 Longworth st.
Macbair Lithographing Co.....S. E. c. 5th & Sycamore sta.
Pounsford Stationery Co.....131-135 E. Fourth st.
Strobridge Lithographing Co.....108-118 W. Canal st.
United States Printing Co.....Fifth and Lock sta.
Williams Directory Co.....208 Longworth st.

STREET SPRINKLING.

Morris Bauer.....425 Bauer ave.
John Eggers.....(Also Livery Stable).....953-957 Curtis st.

TRANSFERRING—HAULING—EXPRESSING.

Cincinnati Transfer Co.....57-58 Mitchell Building.
Cincinnati R. R. Omnibus Co.....19 Opera Place.
Cincinnati and Suburban Delivery Co.....507 Walnut st.
Henry Janszen.....231 Walnut st.
George Reichel.....25-29 W. Water st.
J. Van Hart & Sons.....(Also dealers in Tanbark).....Elm and Water sta.
Marcus Warth.....35 W. Pearl st.

WHITE LEAD.

Eagle White Lead Co.....Manufacturers.....1020-1030 Broadway.
National Lead Co.....Manufacturers.....S.W. c. 7th & Freeman ave.

PUBLIC OFFICIALS, PUBLIC COMPANIES, ETC.

REPRESENTED IN THE MEMBERSHIP OF THE CHAMBER OF COMMERCE.

PUBLIC WEIGHERS.

J. M. Arnold.....	C. N. O. & T. P. Ry.....	Front and Mill sts.
Samuel C. Chapman.....	Procter & Gamble Co.....	Ivorydale, O.
John S. Furlong.....	Harrison ave. & B. & O. S-W. R. R.	
D. E. Lafferty.....	Budd and Harriet sts.	
J. D. Lindsay.....	Big Four Grain Elevator.....	Harriet st. & Big Four Ry.
A. L. Robinett.....	Pennsylvania R. R.....	Front and Butler sts.
R. E. Secrist.....	Foot of Lawrence st.	
Henry Weber.....	Cumminsville, City.	
J. H. Dillman.....	1122 W. Sixth st.	
John Roach.....	Gale Bros. Elevator.....	Third and W. Front sts.
Charles E. Fish.....	B. & O. S-W. Ry....	Second and Smith sts.

PUBLIC COMPANIES.

CINCINNATI GAS AND ELECTRIC Co.:		
Norman G. Kenan.....	President.....	S.W. cor. 4th & Plum sts.
CINCINNATI STREET RAILWAY Co.:		
John Kilgour.....	President.....	Telephone Building.
James A. Collins.....	Secretary and Treasurer.....	Telephone Building.
CINCINNATI TRACTION Co.:		
W. Kesley Schoepf.....	President & General Manager.....	Traction Building.
J. B. Foraker, Jr.....	Vice-President.....	Traction Building.
CINCINNATI ZOOLOGICAL Co.:		
Edward Goeppe.....	President.....	Head of Vine st.
J. B. Foraker, Jr.....	Vice-President.....	Head of Vine st.
Walter A. Draper.....	Secretary and Treasurer.....	Head of Vine st.
CINCINNATI AND SUBURBAN BELL TELEPHONE Co.:		
John Kilgour.....	President.....	Telephone Building.
B. L. Kilgour.....	General Manager.....	Telephone Building.
COVINGTON AND CINCINNATI BRIDGE Co.:		
Bradford Shinkle.....	President.....	Covington, Ky.
J. A. Johnson.....	Assistant Secretary.....	Covington, Ky.
INTERURBAN RAILWAY AND TERMINAL Co.:		
John M. Kennedy.....	Treasurer.....	415-419 Sycamore st.
POSTAL TELEGRAPH CABLE Co.:		
C. E. Sawtelle.....	Manager.....	23 Fountain Square.
WESTERN UNION TELEGRAPH Co.:		
Robert C. Bliss.....	Manager.....	N. E. cor. 4th & Vine sts.

CITY OFFICIALS.

Julius Fleischmann—Mayor of Cincinnati.....	City Hall, 8th and Plum.
William T. Perkins—City Auditor.....	City Hall, 8th and Plum.
Paul M. Millikin—Chief of Police.....	City Hall, 8th and Plum.
W. E. Hutton—Member, Board of Public Service.....	City Hall, 8th and Plum.
Samuel Weil, Jr.—Member Board of Public Service.....	City Hall, 8th and Plum.
Alfred H. Cox—Purchasing Agent, Board of Public Service.....	City Hall, 8th and Plum.
William McCallister—Comptroller-Assessor, City Waterworks.....	City Hall, 8th and Plum.
Maurice J. Freiberg—Commissioner of New Waterworks.....	City Hall, 8th and Plum.
William B. Melish—Commissioner of New Waterworks.....	City Hall, 8th and Plum.
C. M. Holloway—Commissioner of New Waterworks.....	City Hall, 8th and Plum.
Leopold Markbreit—Commissioner of New Waterworks.....	City Hall, 8th and Plum.

James J. Faran—Member Board of Public Safety City Hall, 8th and Plum.
 Abe Furst—Member Board of Public Safety City Hall, 8th and Plum.
 John A. Archibald—Fire Marshal Sixth st., near Vine.
 Chas. P. Taft—Trustee of the Sinking Fund City Hall, 8th and Plum.
 C. H. Kellogg—Trustee of the Sinking Fund City Hall, 8th and Plum.
 Geo. W. Harris—Trustee of the Sinking Fund City Hall, 8th and Plum.
 Levi C. Goodale—Trustee Cincinnati Southern Railway Ingalls Building.
 Thomas Morrison—Trustee Cincinnati Southern Railway Ingalls Building.

COUNTY OFFICIALS.

Eugene L. Lewis County Auditor Court House, Main st.
 C. C. Richardson County Commissioner Court House, Main st.

COMMERCIAL ORGANIZATIONS.—LOCAL.

CINCINNATI BOARD OF TRADE CO.:
 E. P. Wilson Secretary 421 Union Trust Building.
 CINCINNATI INDUSTRIAL BUREAU:
 W. L. Finch Secretary 501 Union Trust Building.
 CINCINNATI LEAGUE:
 E. P. Wilson Secretary 421 Union Trust Building.
 MANUFACTURERS CLUB:
 E. P. Wilson Secretary 421 Union Trust Building.
 OHIO VALLEY IMPROVEMENT ASSOCIATION:
 John L. Vance President 397 E. Broad st., Columbus, O.
 J. F. Ellison Secretary 204 E. Front st.
 RECEIVERS AND SHIPPERS ASSOCIATION:
 E. E. Williamson Commissioner 1216 Union Trust Bldg.

POST-OFFICE.

E. R. Monfort Postmaster of Cincinnati Government Building.

MEMORIAL REPORTS.

The following reports of Committees of the Cincinnati Chamber of Commerce appointed to prepare memorial papers on the death of members, were adopted by the Association, and are printed by order of the Board of Directors:

JAMES HEekin. DIED JANUARY 10, 1904.

"Oh! for the touch of a vanished hand
And the sound of a voice that is still."

JAMES HEekin, Merchant, Citizen. Born in Malenbeg, County Donegal, Ireland, on December 8, 1843. Died in Linwood, suburb of Cincinnati, Ohio, on January 10, 1904.

He was next to the oldest child, and the oldest son of a family of eight children, which came to this country with the parents in 1850, stopping first at Cleveland, Ohio.

His father having died, the family removed to Cincinnati in 1859, when its support devolved almost entirely upon young James, who turned his attention to whatever opportunity offered, to earn an honest living.

At the beginning of the Civil War he found employment driving a Government team and working on Government transports.

The close of the war found him a shipping clerk in the cracker factory of Cooper & Co., Cincinnati, Ohio. In 1865 he left this company to enter the employ of Brock, Champlin & Foster Spice Mills, as a salesman, and upon the dissolution of that firm he remained with its successor, Jacob Brock, as his manager. In 1870 **JAMES HEekin** formed a partnership with Barney Corbett, as Corbett & Heekin, buying the spice business from Brock; and such was Brock's confidence in his former manager that he sold him the business on time, without the payment of a dollar in cash, or any security whatever. Later, Corbett died, and his place in the firm was taken by John Hastings, the firm name being changed to James Heekin & Co. Though this partnership lasted but a year, the firm name has not since been altered.

From this humble beginning Mr. **HEekin** so directed his affairs that he was enabled to establish the large mercantile organizations known as James Heekin & Co., The Heekin Can Co., and The Heekin Spice Co. At his death he was the head of these prosperous concerns, and also a Director in the Fourth National Bank.

Mr. **HEekin** had the advantage of a common school education only, but he was always a student, and was one of the best informed men "in the bottoms."

In 1868 he married Mary Malloy, who bore him fifteen children, twelve of whom, with the widow, still survive him.

In 1881 he was elected a member of the Linwood School Board, and served there conscientiously and well.

In April, 1891, he was elected Mayor of Linwood, and served continuously until the admission to the city of that suburb, in December, 1898. During his service as Mayor he handled the affairs of his village with such tact and care that there was never a cause entered for trial. During his Mayoralty he devoted much time to the successful erection of a water-works and an electric light plant for his town.

As a Director in the affairs of the St. Joseph Orphan Asylum of Cumminsville, he gave it of his time and purse, and secured for it many valuable improvements and helps.

While loyal and responsive to the demands of his adopted country, and active in all matters of public improvements in his home town, he was also strenuous in his efforts in behalf of his native land.

Unassuming and unostentatious he was yet untiring in any good cause, or in the service of a friend. He conceived no duty to be higher than to serve his fellow man. His work was confined to no set creed—his charities to no particular faith.

Pen fails us in attempting to record the results of his many disinterested activities, and no tongue, however eloquent, can appropriately voice his eulogy. Temperate in all things, he was of earnest purpose, and in private life his hand was always open to worthy charities, irrespective of creed or cause.

He first saw the light of life in a little cabin on one of the hillsides of his native Ireland, where the blue ocean stretched its restless wings far away. His light went out as he lay in his home on one of the hill crests of his adopted Cincinnati, where the beautiful valley of Ohio stretches far to the east and west—fit symbolisms of his own earnest life—broad in its work, catholic in its charities.

He died surrounded by his family of loved ones, who were knitted to him by ties of the warmest affection, whose deep sorrow at his death is reflected at hundreds of homes throughout the broad land, where he was known as an upright merchant, a charitable worker, an untiring friend, a patriotic citizen and an honest man.

Resolved, That this record be copied on the minutes of the proceedings of this Chamber, and that a copy of it, suitably engrossed, be sent to the family of the deceased.

LEVI C. GOODALE, MICHAEL RYAN, J. T. McHUGH, J. B. WALLACE, NICHOLAS J. HOBAN, SAM'L BAILEY, JR.,	}	<i>Committee.</i>
--	---	-------------------

HENRY STRAUS. DIED MAY 18, 1904.

HENRY STRAUS was born in Hessen, Germany, on the 5th day of September, 1841. He came to this country in 1860, and to Cincinnati the same year. His earliest venture was in the cattle business, and after a period of successful trading in that line, he, with Jacob Stern, established the live stock commission business of Straus & Stern, which has been in successful operation at the Cincinnati Union Stockyards for more than thirty years.

Mr. STRAUS was married to Hannah Cahn in this city on September 5, 1865, and she, with four sons, survives him—the latter, prominent among the upright young business men of this city.

Few men called from us of late have been more regretted than HENRY STRAUS. In business he was industrious and patient, and his prominent characteristics were truthfulness, uprightness and sterling honesty. He never sought to take advantage of his fellow man in trade, his motto being "to live and let live."

Mr. STRAUS was of a quiet and retiring disposition; he never sought prominence or publicity, but found his enjoyment in strict attention to business, and in the quiet happiness of domestic life with his family and near friends, to whom he was most affectionately devoted. He was, however, public-spirited and generous, never failing to respond to the call of charity, and a regular contributor to several charitable associations. In every relation of life HENRY STRAUS was a genial, warm-hearted, lovable man, and his standing in this community was attested by the large concourse of our best citizens who attended his obsequies on Sunday, May 22, his death having occurred on Wednesday, May 18, 1904.

Mr. STRAUS was a member of 'Change for twenty-five years. He attended all important meetings and took a lively interest in the affairs of the Chamber, and all that concerned the welfare of the city.

Not only will his activity and enterprise be missed in the live-stock business, but the influence and bright example of so honorable and useful a citizen as HENRY STRAUS, will be keenly felt by the community at large.

To his dear and sorrowing helpmate, his loving and devoted children, we tender our sincere and heartfelt sympathy in the loss of so loving a husband, father and friend.

Resolved, That this memorial be spread upon the minutes of the Chamber, and a copy of same be transmitted to the family of the deceased.

HERMAN LOEWENSTEIN, MICHAEL RYAN, TALTON EMBRY, J. WALTER FREIBERG, CHARLES R. HUBBARD,	}	Committee.
---	---	------------

JACOB VOGEL, Sr. DIED JUNE 10, 1904.

JACOB VOGEL, at near the close of his seventy-sixth year, died at his home in this city on June 10, 1904. He was born in Bavaria, July 25, 1828. He came to Cincinnati when quite a young man, and after a time devoted to other efforts, he began the handling of provisions in a small way. Energetic and thrifty, his business naturally grew in proportions, and so in due time he entered upon slaughtering and curing, in order the more satisfactorily to carry out his wishes in serving his trade. From a packing house of limited capacity at first, there were enlargements from time to time, and ultimately he erected an entirely new and fully modern large establishment in a nearby locality, on higher ground, to avoid inconveniences from the flood conditions which occasionally surrounded the former house. He was one of the early packers to enter upon summer curing of hog product and the maintenance of continuous slaughtering throughout the year. The business of JACOB VOGEL, and in later years of Jacob Vogel & Son, became especially prominent among the packing industry in this city.

Mr. VOGEL had an appreciation of the proprieties in the relations of business men, and was ever governed by the elements of honesty and reliability which invited and maintained fullness of confidence in him, on the part of customers of his house. He had a pride in making purchases of the best lots of stock offered from day to day in the market, and in delivering to his trade product of as good quality as could be made. Thus he contributed a full share to the high reputation which this market has secured everywhere for the superior quality of the cure of pork and beef products.

JACOB VOGEL was a member of the Chamber of Commerce for thirty-two years. In late years he has rarely been on 'Change, but has been devotedly applied to the conduct of affairs at the packing house. His death removes one whose life has been an example of worthy efforts and of most creditable accomplishments.

JACOB VOGEL was a man of ready and generous aid to the needy, and was especially noted for his considerate assistance, kindness and encouragement to children in the vicinity of his home, by whom his memory will be cherished.

Resolved, That the membership of this Association sympathize with the surviving members of the family of JACOB VOGEL in their bereavement incident to the loss of one so dear to them.

CHARLES E. ROTH, ROBERT HANKINS, GEORGE ZEHLER, MICHAEL RYAN, JOHN HOFFMANN,	}	Committee.
--	---	------------

ROBERT ALLISON. DIED MARCH 23, 1904.

WHEN, on the morning of March 23, 1904, at the very threshold of the day's duties, ROBERT ALLISON met the touch of the icy finger and ceased forever from life's activities. His home was deprived of the presence of a devoted and indulgent husband and father; the municipality lost the services of a prominent citizen and an official of large ability and many years' devotion; his religious and benevolent fellowships were deprived of the association of a conscientious believer and a liberal giver, and the Cincinnati Chamber of Commerce lost one of its most honored and valuable members.

Mr. ALLISON spent most of the years of his life in business pursuits in this city, but found time to devote himself largely to public interests, chief among which was his work in the building of the present City Hall, a labor performed by Mr. ALLISON and his associates without compensation, and as a remarkable fact, within the limits of the original appropriation made for the purpose of building the Hall.

Many words of eulogy might well be written about such a character, but it is enough to say that his passing away leaves a vacancy in all his associations which may not easily be supplied, and his life furnishes an example well worthy of imitation by every man who aspires to leave behind him a record of good deeds and success.

We ask that this expression of regard for the character of ROBERT ALLISON, and of sympathy with those who are the greatest sufferers by his absence, be recorded on the minutes of the Chamber of Commerce, and that an engrossed copy of the same be forwarded to the family of our deceased member.

W. T. PERKINS,	} Committee.
W. J. BREED,	
JAMES M. GLENN,	
WM. V. EBERSOLE,	
CHARLES H. SMITH,	

O. B. FARRELLY. DIED JUNE 23, 1904.

At the age of 71 years and two months OWEN B. FARRELLY died at his home, Winton Place, in the suburbs of Cincinnati, on June 23, 1904.

Mr. FARRELLY began his career in this city early in his life. He was variously occupied previous to engaging in pork packing operations, and for many years was actively interested in this industry, gaining for himself high recognition among the various concerns similarly engaged. Subsequent to such a career, and over twenty years ago, he was called into service in the house of Roth, Meyer & Co., pork packers. This concern succeeded to the business of Anderegg & Roth, following the death of Mr. Anderegg, in 1882. In 1888 the business was incorporated under the name of the Roth-Meyer Packing Co., and was subsequently changed to the John C. Roth Packing Co. Throughout these changes Mr. FARRELLY continued with the house, until his death. For his good judgment, his agreeable nature, his recognition of the obligations to have business conducted on the highest plane of merit and of integrity, he was regarded with special consideration and esteem by his associates, as well as by those with whom he had business transactions.

Mr. FARRELLY was a member of the Chamber of Commerce for forty years. His regular attendance on 'Change continued until interrupted by the ailments which culminated in his death. He experienced great satisfaction in these daily opportunities among our business men, and his presence was one which brightened the situation for others about him. There was such uniform cheerfulness attending him, with geniality and kindness of nature, that men were drawn into a liking for him, and into friendship for him. With these characteristics was that of fairness, uprightness and full consideration for others in all business affairs with which he had to do.

In his anticipation of death as the tendency of the ailments from which he was suffering, he made known his wishes, that not being a member of a sectarian religious body there should be omitted at his funeral the usual religious forms and ceremonies, and that simplicity of procedure be arranged. His wishes were carried out, and the occasion was one only of expressions by persons entertaining the strongest sentiments of regard and affection for the one who had passed from life, attended with appropriate singing.

To have lived beyond the three score and ten years of life ; to have so lived as to command and to hold the respect of others and recognition for honesty of purpose, for sincerity of action, for fearlessness in efforts for doing right, for promptings ever considerate of what was due to others, for unselfishness in endeavors to promote the welfare of others, for industry in all good and needful work, for an ever loving heart for all within the home circle, is to make a success of life, and comes as near to the fulfillment of its obligations as we can discover in the career of men, in what is to be counted as to their credit. Of such were the characteristics of the one whose loss to us is more than a grief and a sorrow.

These expressions are submitted for the records of our Association, and with a wish that a copy be conveyed to the family of Mr. FARRELLY, with assurances of profound sympathy.

CHARLES B. MURRAY,	} Committee.
JOHN WOESTEN,	
CHARLES E. ROTH,	
MICHAEL RYAN,	
JAMES A. LOUDON,	

M. S. FORBUS. DIED JULY 4, 1904.

M. S. FORBUS, who departed this life on July 4, 1904, was a resident of Cincinnati for nearly three score years. He was born in Baltimore, and came to this city with his parents when twelve years of age.

After receiving a fair education Mr. FORBUS engaged with his father in the tanning business, and followed this line until the breaking out of the Civil War. Here Mr. FORBUS saw an opportunity for trading on a large scale, and he formed a partnership with Messrs. Richard Beresford, Charles Kahn, Jr., and Mathew Ryan, under the firm name of Richard Beresford & Co. This firm entered into very extensive contracts with the United States Government for supplying the Union Army with live cattle and fresh beef, which continued to the close of the war. Mr. FORBUS then began pork packing, with two of his old partners, Messrs Kahn and Beresford, which business was extensively conducted for fifteen years. Afterwards he established the brokerage firm of M. S. Forbus & Co., which continued until his death.

The only public position the deceased ever held was that of Police Commissioner, which he filled most creditably for a term of four years.

Mr. FORBUS was married, and his wife and daughter survive him.

No man in Cincinnati had more devoted friends than "SHAPE" FORBUS, as he was familiarly called. He was a genial, sociable, warm-hearted man, to whom the ties of friendship were strong and lasting. High-minded, benevolent and kindly in his manners, upright in all his dealings, he was regarded as the very soul of honor, and would sacrifice life before betraying a confidence placed in him. When once his word was passed in a transaction it was regarded as good as a bond. He was also tender-hearted and charitable without ostentation, and in a quiet way frequently assisted old friends who were financially wrecked.

For forty years Mr. FORBUS was a member of the Chamber of Commerce, and up to the time of his death took an active interest in the affairs of the Chamber, having an office for many years in the building.

Mr. FORBUS was an industrious, useful and public-spirited citizen, and took pride in all that appertained to the welfare of the city. He was an organizer and a leader, taking part in

many large enterprises; but best of all, he was a royal good fellow in every sense of the word, and his loss will be deeply felt among the warm friends who knew and appreciated his noble qualities.

It is the desire of the undersigned that this memorial of M. S. FORBES be spread upon the minutes of the Chamber of Commerce, and a copy of same be forwarded to the family of the deceased.

C. M. HOLLOWAY, MATHew RYAN, HENRY HUSCHARD MEYER, ROBERT MONTGOMERY, W. H. WASHINGTON,	}	<i>Committee.</i>
---	---	-------------------

SAMUEL W. WEIDLER. DIED SEPTEMBER 12, 1904.

SAMUEL W. WEIDLER was born April 17, 1850, at New Holland, Pennsylvania, and died at his home in Wyoming, Hamilton County, Ohio, a suburb of Cincinnati, on September 12, 1904. He came to Cincinnati in 1869, entering into service of his brother, George B. Weidler. In 1880 he became associated with Thomas W. Allen, under the firm name of Weidler & Allen. At the close of five years he purchased the interest of his partner and adopted the firm name of Sam. W. Weidler & Co., which was succeeded by The Sam. W. Weidler Company, incorporated, at the head of which he served until his death.

During his twenty-five years of business activity in this city, Mr. WEIDLER maintained a reputation for industry, for intelligent comprehension of conditions surrounding commercial enterprises, and that spirit of progressiveness which one of self-reliance and fixed purposes displays in a community. As a member of the Chamber of Commerce he exhibited elements of character which invited and commanded the highest degree of respect. In the operations of business he was invariably found to be governed by the sense of integrity and of proper consideration for others which furnish a worthy and inspiring example, and contribute to the good reputation of the market center in which his interests were situated.

His sound judgment and fairness of treatment of questions made him the subject of frequent call into committee service and counsel. His always gracious and cheerful bearing among business associates won for him more than ordinary friendship and sentiment of admiration.

Beyond the business paths in which he was concerned, he was an equally significant character. He was ready with personal effort to promote the public good, and his earnestness and zeal in such respects were conspicuously felt in the suburban district where he made his home. In all his relations in life, he earned and received fullness of recognition for those Christian characteristics which make the presence of an individual strongly influential for the betterment and happiness of others. His removal by death is a loss of unusual seriousness to the membership of our Association and to the community wherein were his business and home interests.

We recommend that a copy of this expression, prepared for the records of the Chamber of Commerce, be conveyed to the family of our deceased member, with the profound sympathy of our membership in the sorrowful loss they have suffered.

JAMES T. McHUGH, B. W. GALE, M. KNAUL, H. LEE EARLY, FRED. GUCKENBERGER,	}	<i>Committee.</i>
--	---	-------------------

HENRY IMMENHORT. DIED NOVEMBER 14, 1904.

HENRY IMMENHORT, for many years a member of the Chamber of Commerce, died at his home in this city on November 14, 1904, aged fifty years and nine months.

Mr. IMMENHORT gained prominence among our business men in his connection with the coal trade, with which his identity began in 1872, and which continued to the close of his career, with the exception of two years of service, 1875 to 1877, in our local post-office, in which he had an appointment to a responsible position during this period. Besides being closely devoted to business affairs he gave attention to various benevolent interests, including the German Altenheim and the German Protestant Orphan Asylum. He was Past Dictator in the order of the Knights of Honor. He was a member of the St. Paul's German United Evangelical Church. In all these relations he was an earnest co-worker, and ever ready for the performance of duties to which he was called. In his associations with business men he commanded respect for his adherence to correct methods and fidelity to obligations.

In the death of this worthy member of the Chamber of Commerce we recognize the great loss which his removal means to those who were near and dear to him and to whom his life was an essential element of happiness, and to these within the loving home circle we extend the sympathy of members of our Association, on whose behalf we make this report for our records, with the recommendation that a copy of it be transmitted to the widow and family of the deceased.

HENRY LACKMAN, F. L. GARRISON, JULIUS PFLEGER, HARRY RIGDON, GEORGE F. DIETERLE,	}	Committee.
--	---	------------

